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May 1978

95 cents

Sunset

The Magazine of Western Living

Powwows

Indian Gatherings
Across the West in 1978
You are Welcome P. 106

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1898–Looking Back P. 120
1978–Sunset Garden P. 126

OMNI'S ARMY.

The new Dodge Omni. People just seem to like it. Because Omni tries so hard to please. With a 99.2-inch wheelbase. A 1.7 litre overhead cam engine. And a likeable base sticker price of only $3706,* including standard features like an AM radio, vinyl body side moldings, and white sidewall tires.

The Omni shown below with a number of stylish additions has a sticker price of just $3981.*

$3901.* (PRICE OF CAR AS SHOWN)
$3706.* (BASE STICKER PRICE)

and a couple of carts. Omni's built here in America with American-sized people very much in mind.

Lots of room. That's one advantage of Omni's front-wheel drive. The size of the tunnel you find in the middle of most conventional rear-wheel-drive cars is reduced. So there's more room for legs and stuff.

Then there's ride. It's stable. Comfortable. Because the right kind of attention was paid to things like spring rates and jounce travel. Front-wheel drive with rack-and-pinion steering does its part, too.

Another thing, with four good-sized suburbanites like you see here, Omni's gritty four-cylinder engine can make this car move with plenty of authority. No sweat at expressway speeds.

Remarkable, when yo consider the EPA estimate mileage ratings achieved by that engine and Omni's standard four-speed manu transmission and a 3.3 transaxle ratio:

EPA ESTIMATES:
30 MPG HIGHWAY/25 MPG CI

Now, your mileage ma vary according to your car condition, equipment, and your driving habits. And California mileage is lower. But these are note worthy ratings for a car that can do all the Omni can do.

Here's a suggestion Visit your Dodge Deale Have him wheel out an Omni. Take it out on the freeway. Over a bumpy road. We hav a feeling when you're through, you'll be ready to buy, or lease. Omni's like that. It attracts fans.

MOTOR TREND CAR OF THE YEAR

Even big people like Omni. For example, the four weekend hackers you see here. All four of their golf bags fit in a covered compartment behind the rear seat. If this were a twosome, that rear seat could be folded down giving 35.8 cubic feet of space. Enough to handle their bags

Dodge

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Sunset* The Magazine of Western Living*
THE PACIFIC MONTHLY *
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The Cover Story

Parade regalia at Montana's Crow Fair includes traditional eagle-feather warbonnets, beaded trappings for horse and rider. Tepees are some of 600 pitched each August on banks of the Little Bighorn. Our guide to Crow Fair and other Plains powwows begins on page 106. Cover photograph by Don Normark

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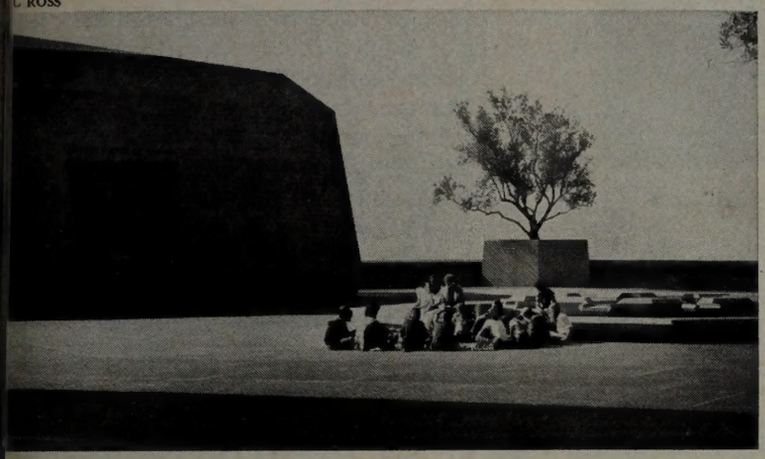
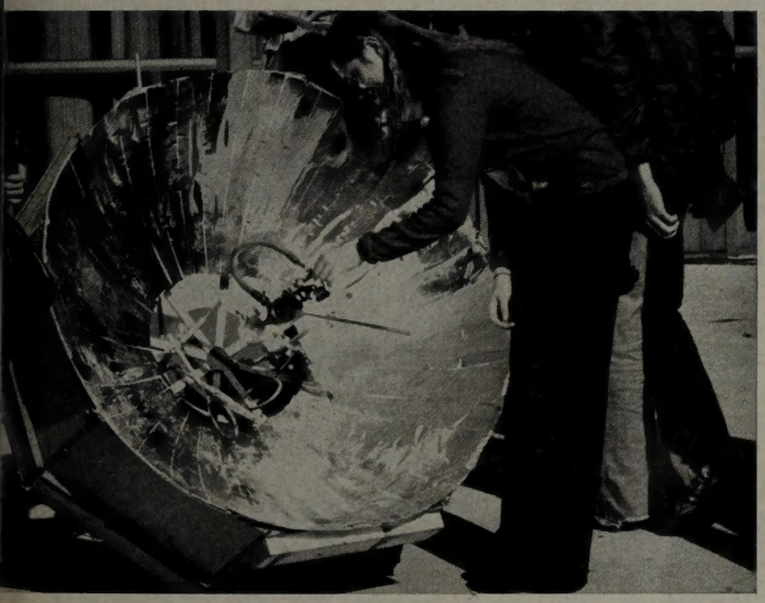
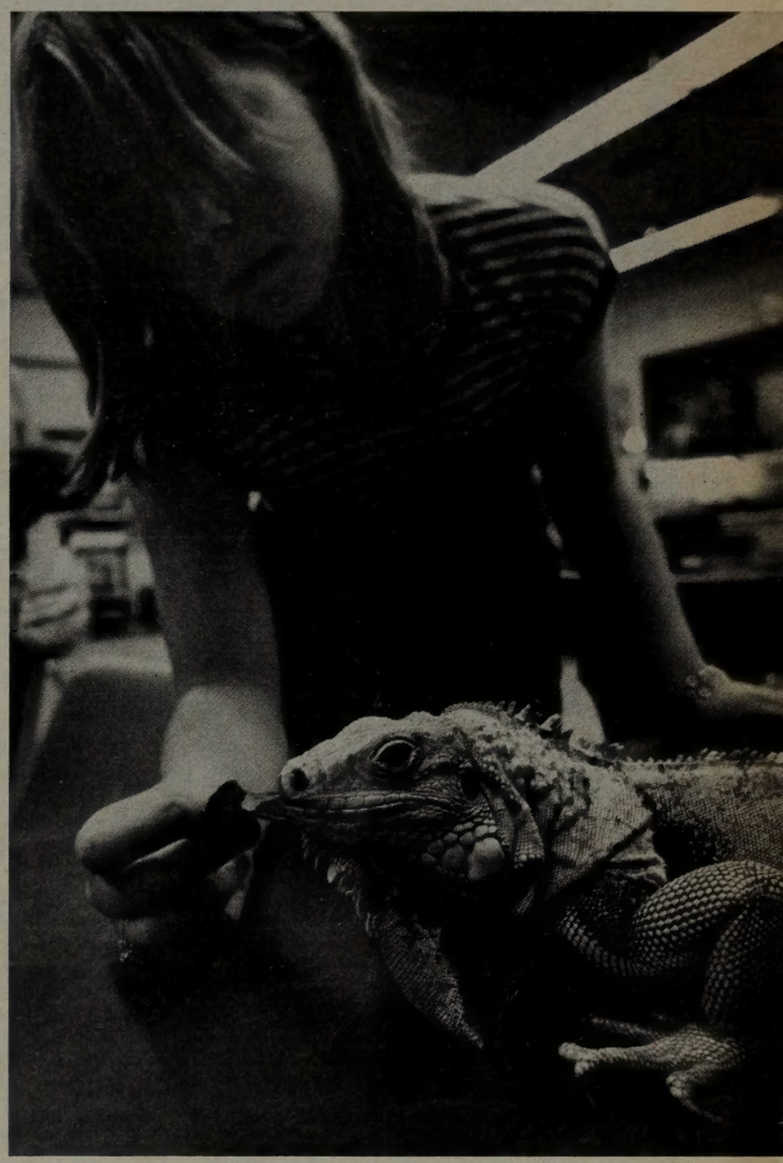


ctagonal *Lawrence Hall has starred in science fiction ms such as Colossus: The Forbin Project*



olar steam engine *was made by sixth graders and structor in a physics lab session*



Aloof iguana *in biology lab shuns a lettuce lunch while timid tarantula below loves to be touched—gingerly*

ou can play scientist at Berkeley's Lawrence Hall

hat does an iguana's skin feel like? ow do radio telescopes work? Will a rism bend a laser beam? At UC Berkey's Lawrence Hall of Science you're e scientist, and you can experiment ith over 100 displays and exhibits.

he hall is designed as a learning center r both children and adults: a prehool child can create his own cartoon rogram, an adult can use the computer determine his car's efficiency.

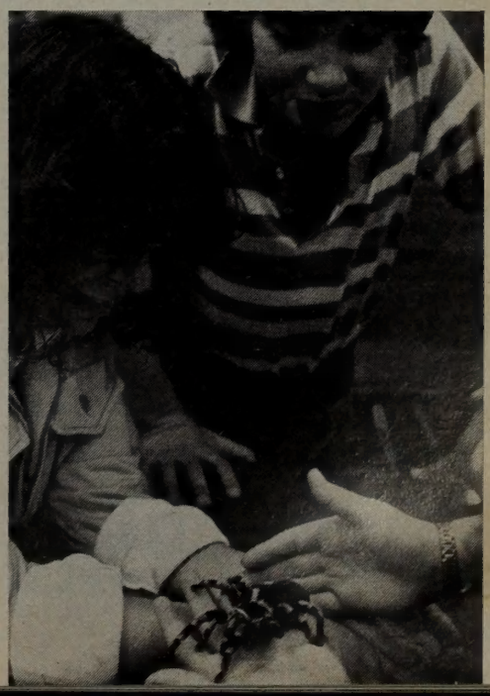
ay 15 to 21 is a good time to visit or visit the hall and help celebrate its nth birthday with rocket launchings, t air balloon rides, a science film festil, and other events.

eekdays there'll be movies for young children from 10:30 to 11 and a meet-a-dinosaur program with a paleontologist from 1 to 3.

The Magic Carpet Company children's theater group performs Tuesday at 11. And on the front plaza on Thursday, Saturday, and Sunday there'll be a sun telescope and solar energy demonstration. Friday you can watch science fiction films from noon to midnight.

On Saturday, a hot air balloon will rise at 11 (weather permitting) to give rides to youngsters. Sunday's events include a children's dance theater at 1:30, an animal fair from 11 to 3, and rocket launchings at 10 and 3.

Inside the octagonal hall are sections



Monitoring *the progress of our birthday report, from left to right, are Bill Lane, Ken Cooperrider, and Proctor Mellquist*

Eight lively decades of Sunset

Sunset has recorded milestones in the West's history for eight decades—reporting on everything from the first coast-to-coast auto trip at the turn of the century to energy conservation and solar homes today. A capsule review to celebrate our 80th birthday this month begins on page 120.

The article was put together by former executive editor Ken Cooperrider, whose 29 years of editing *Sunset* articles made him the logical person to comb the magazine's archives. Also lending a hand: editor Proctor Mellquist (on scene 28 years), and publisher Bill Lane, who's been associated with *Sunset* since his father became publisher 49 years ago. Their combined experience totals well over eight decades of *Sunset*. □

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devoted to biology, astronomy and phys ics, energy, and computer science. Thi month the planetarium will featur shows on black holes, Mars, and Stone henge, from noon to 3:30 on Saturdays On weekends between 1 and 4, childre can join hour-long laboratory sessions i biology, computers, or physics.

The Lawrence Hall of Science is o Centennial Drive near Grizzly Pea Boulevard in Berkeley; admission is $ for adults, 75 cents for students wit identification. There are small charge for the planetarium shows and for us of the computer room; other events an attractions are free. Hours are 10 t 4:30 daily except Thursday, when th hall is open to 9. For more information telephone (415) 642-5132.

To Marysville for a stampede

The gold country gateway town o Marysville, on State Highway 20 abou 40 miles north of Sacramento, will ope its new 200-acre riverfront park wit the Stampede and Gold Rush Rive Ruck (it means a gathering) from Ma 26 to 29.

All four days there'll be hot air balloon ing, a rodeo, arts and crafts, an antiqu auction, and food booths. Encampment of Indians, covered wagons, and moun tain men will compete in tobacco spit ting and musket shooting. On Saturda and Sunday at noon there will be a fire men's muster.

Admission to the stampede is $3 fo adults, $1 for children 7 to 17. Rode events begin at 5:30 on Saturday an Sunday; separate rodeo admission i $4.75 for adults, $3.75 for children 1 and under. The park is at the end o 14th Street; parking is available there.

Stopping over in California's villages

The small, sometimes remote, bu charming rural towns of California ar the subject of *Hidden Villages of Cali fornia* by Frances Coleberd (Chronicl Books, San Francisco, 1977; $5.95).

The book covers 18 communities chose for their individuality, attractiveness and historical interest—places like Co velo, Sutter Creek, Ballard, and Lo Olivos.

None has a population over 3,000; mos count about 500 residents. And mor than half of the towns are in northern California. The book documents the be ginnings of each village as well as it present character, providing an insigh into life in today's rural California Some 70 photographs illustrate it.

Wild west days in Tonopah, Nevada.. May 27 to 29

The tiny town of Tonopah (populatio 1,716) sits halfway between Reno an

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Open to Grades 10 through 14

- June [redacted] to July 14 • July 17 to July 27
- Option of first 4 weeks in Monterey, last two weeks in Hawaii, or entire 6 week program

★ Use the Monterey Peninsula's rocky coastline [redacted] a natural lab for your study of marine population

★ Continue your research in the [redacted] modern lab on campus

★ Snorkel and dive off reefs of Hawaii and Oahu to satisfy your curiosity about the environmental movement and coastal ecosystems.

For full details write or call: **Director, Summer Programs, Santa Catalina School, Mark Thomas Dr., Monterey, CA 93940, 408/649-1432**

Summer Adventure at San Domenico

for girls in grades 4–8

June 25–July 22 2 weeks – 4 weeks

Member of ACA. Program offers riding, tennis, swimming, gymnastics, guitar, arts and crafts, nature study, creative writing, camp crafts, track and field sports, drama.

Directed by Dominican Sisters on beautiful 500 acre campus of San Domenico School.

For further information contact: *Summer Adventure Secretary, San Domenico School, 1500 Butterfield Road, San Anselmo, CA 94960. (415) 454-0200*

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Las Vegas, and doesn't get much attention. But once a year it pays tribute to its founder, Jim Butler, with a rip-snorting western fair.

Jim Butler Days—May 27 to 29—feature dueling, mining contests, a firemen's water-fight, dances, art shows, and a sport called mucking (a very muddy race). A parade down Main Street begins at 10 on Saturday to get things going. From then on the free events just start happening, from about 10 to 5 each day.

Tonopah is on U.S. Highway 95, 243 miles south of Reno and 207 miles north of Las Vegas. If you plan to stay in town, it's wise to make reservations at one of the six motels there. For more information, call the chamber of commerce at (702) 482-3558.

STAVER & SO

Dirndl-clad *dancer gives an impromptu lesson at Denver's folk festival*

From Armenian to Yugoslav . . . Denver folk groups hold a festival, May 20 and 21

Over 1,000 dancers will swirl across the the floor of the Denver Arena during the third annual Folk Life Festival on May 20 and 21. The native foods, costumes, and crafts of more than 35 groups will be featured, including Armenian, Chinese, French, German, and Greek.

There'll be some 40 booths around the dance floor, and each day at half-hour intervals you'll see folk dancing dem strations with live and recorded mu between demonstrations you're invi to try the dances yourself.

Admission to the festival is $2.50 adults, 75 cents for children under the hours are noon to 10 P.M. Saturd 1 to 9 P.M. Sunday. The Denver Ar is in the convention complex at 1 Champa Street.

For travel planners, a May check list

Japanese arts and textiles. August 19 is the departure date for a 22-day tour of Japan emphasizing local arts and crafts. You'll spend time in Tokyo and Kyoto, visit museums, galleries, and workshops, and see other attractions. As you tour Kaike, Hagi, Beppu, and Kurashiki, you'll see the homes and studios of papermakers, silk weavers, and potters, and visit folk art shops and museums. The $2,280 cost includes air fare from San Francisco and lodging; most meals are additional. Write to Specialty Travel Interface, Inc., 703 Market St., Suite 1312, San Francisco 94103.

British Columbia expeditions. Fourteen-day wilderness courses will be offered near Campbell River, British Columbia, the first and third Sundays in June, July, and August. With an instructor for every five participants, you'll camp on the beach, travel over 150 miles in inflatable boats between Vancouver Island and mainland British Columbia, and hike cross country from inlet to inlet. The $400 cost includes all food, equipment, instruction, and transportation from Campbell River. For more information, write to Pacific Northwest Sea Trails, Inc., 13062 Caminito del Rocio, Del Mar, Calif. 92104.

Tours for the handicapped. A 17-day slow-paced tour to Switzerland, Germany, and France is especially designed for travelers in wheelchairs, their companions, and others with decreased mobility. August departure from New York costs $1,638. For information on this and future outings to Europe and Central America, write to Rambling Tours, Box 1304, Hallandale, Fla. 33009.

Wilderness expeditions. Mountain Travel offers a variety of worldwide hiking expeditions as well as less strenuous outings. Their offerings during the next six months include trekking in Nepal, visits to the fiords of Greenland, sailing in the Scottish Hebrides or southern Italy, mountain walks in northern Japan, a horseback trip to view Kenya's game lands, Alaska by pontoon plane. For details on these and other expeditions, write for their 64-page catalog (include $1 for postage): Mountain Travel, Inc., 1398 Solano Ave., Albany, Calif. 94706. ▪ □

What a travel agent can do for you: Provide information on tours; reserve space on air, rail, bus, and steamship lines; make hotel, ranch, and resort reservations; take care of trip planning, including side trips and special events. Travel agencies do not charge for arranging transportation or package tours, but do charge for "custom" tour service.

Sunset School & Camp Directory

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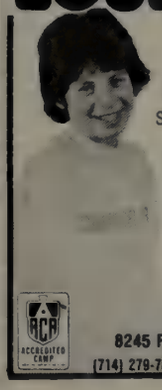

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Camps

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Sunset School & Camp Directory

Camps

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"Buzzard's Gulch" Ghost Town, 180 acre operating ranch. Emphasis on Horseback riding and horse shows. Swimming (lake and heated pool), riflery, fishing, boating, campouts, and etc. 31st year.

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INDEX OF DIRECTORIES

School and Camp Directory is the first of five Directories which appear regularly in each issue of SUNSET Magazine. The other four Directories are:

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Garden Center	beginning page 309
Shopping Center	beginning page 314

Camps

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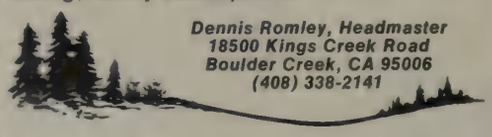

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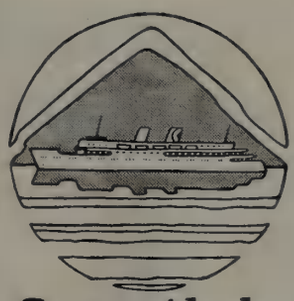

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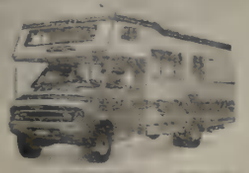

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The Sunset Travel Directory

Feather River Area

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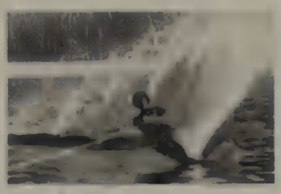

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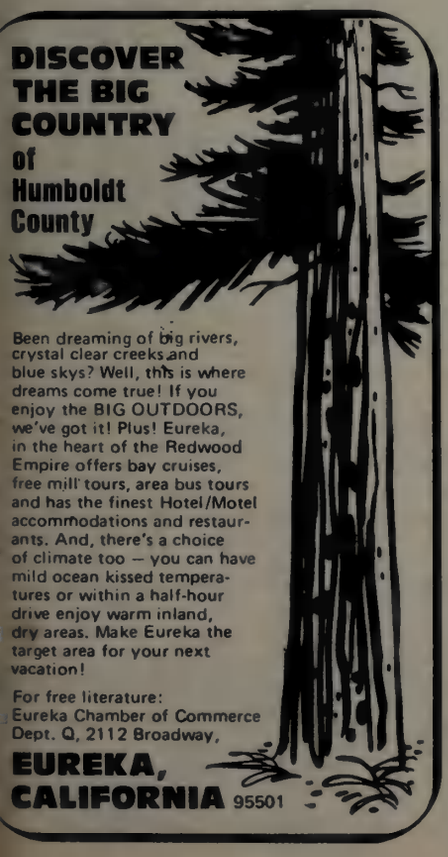

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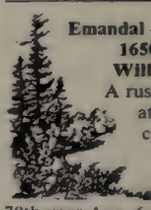

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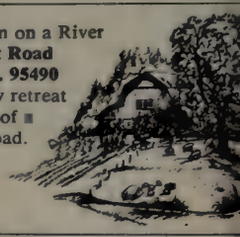

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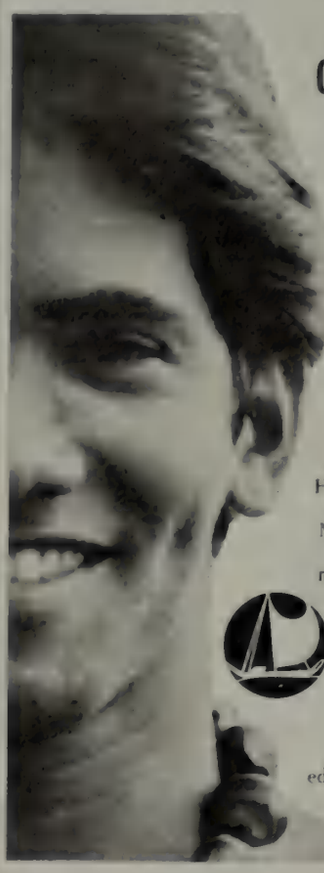

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Hawaii

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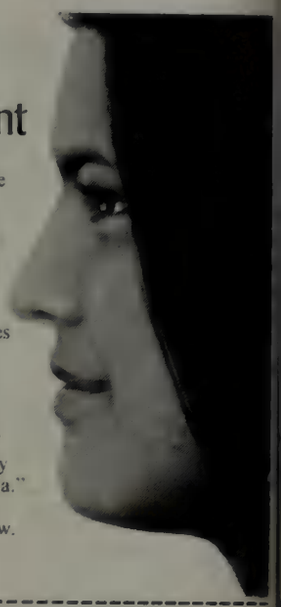

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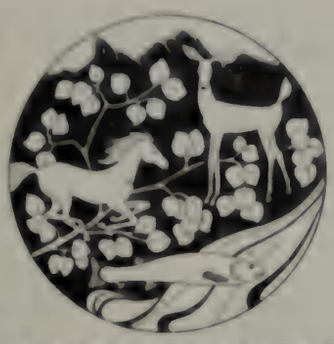

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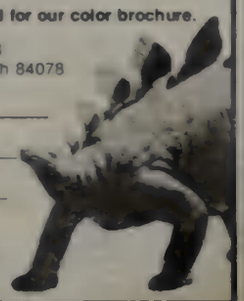

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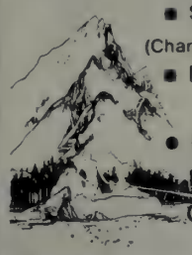

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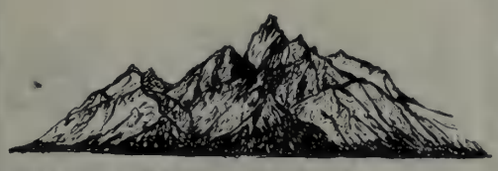

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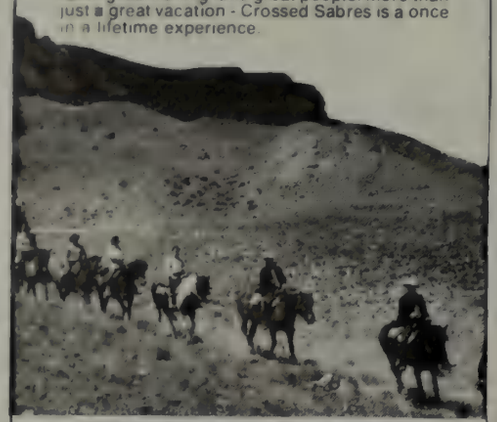

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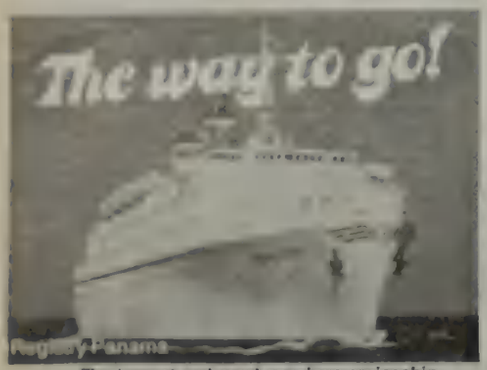

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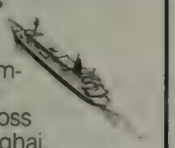

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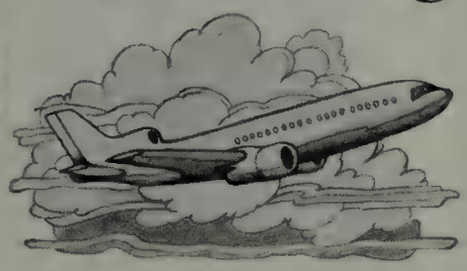

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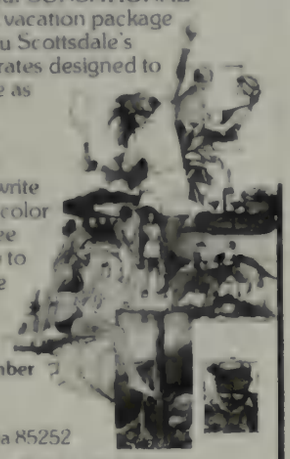

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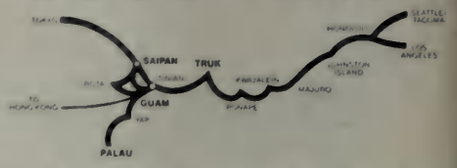

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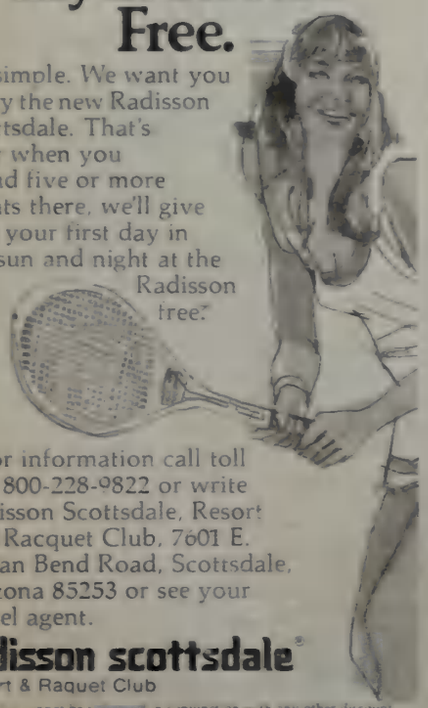

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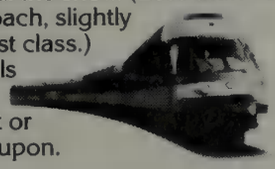

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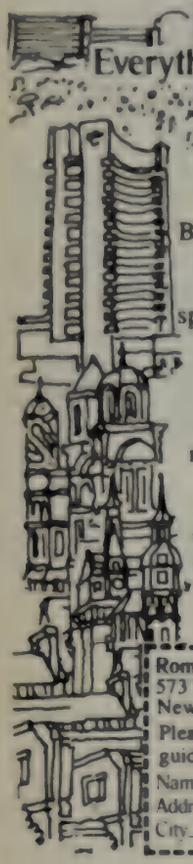

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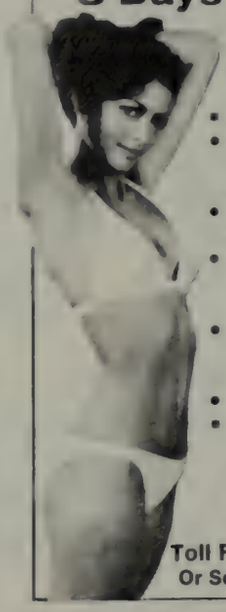

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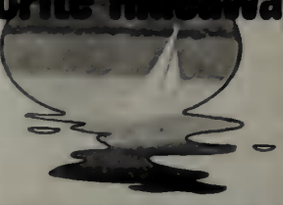

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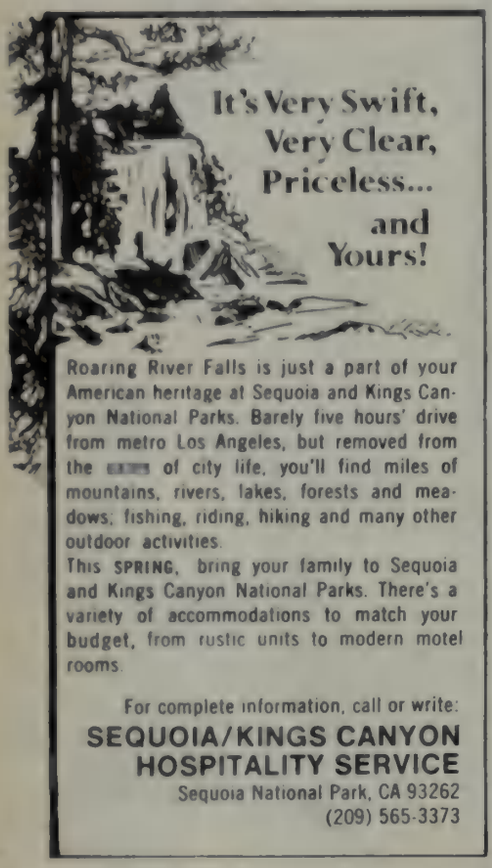

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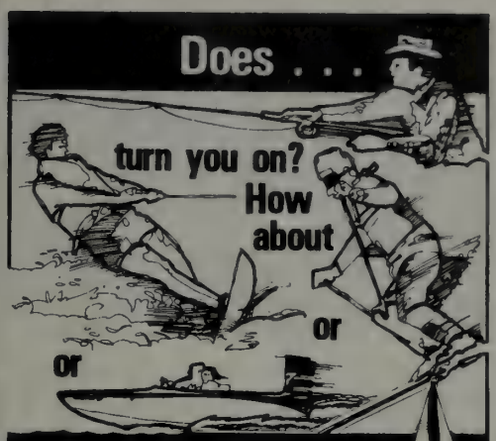

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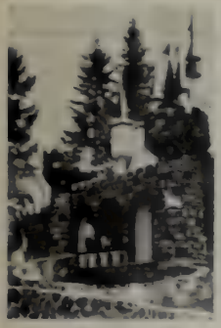

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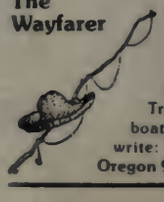

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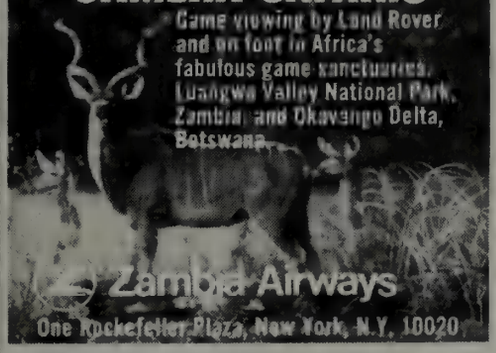

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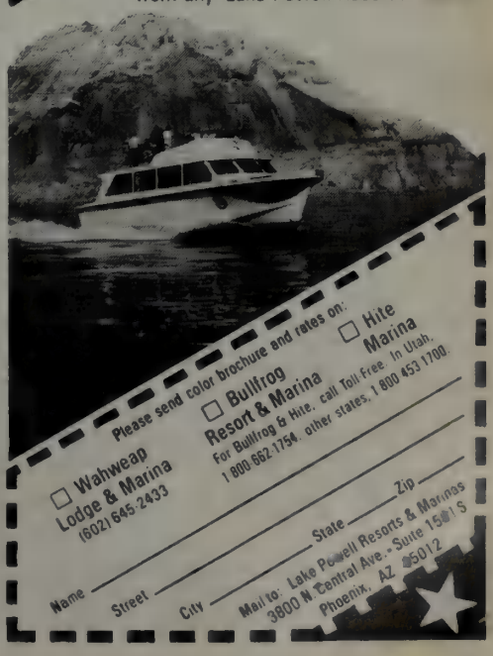

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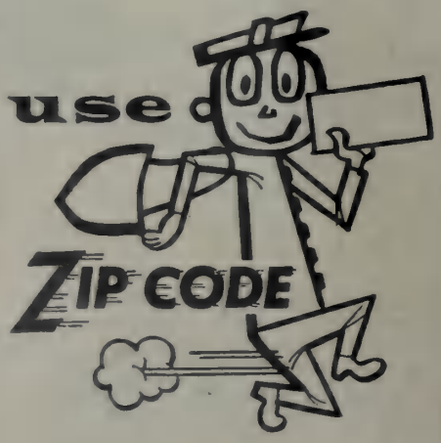

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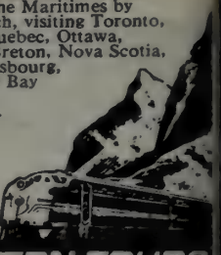

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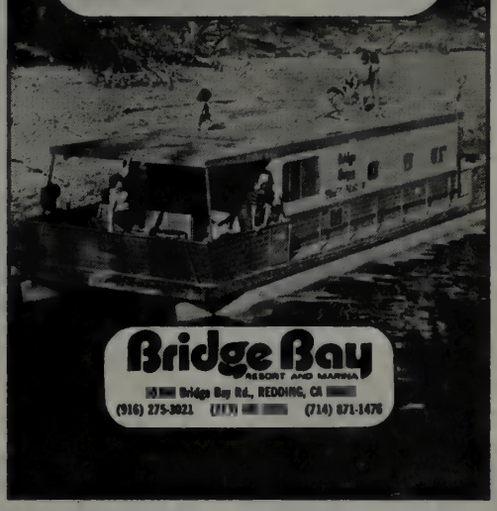

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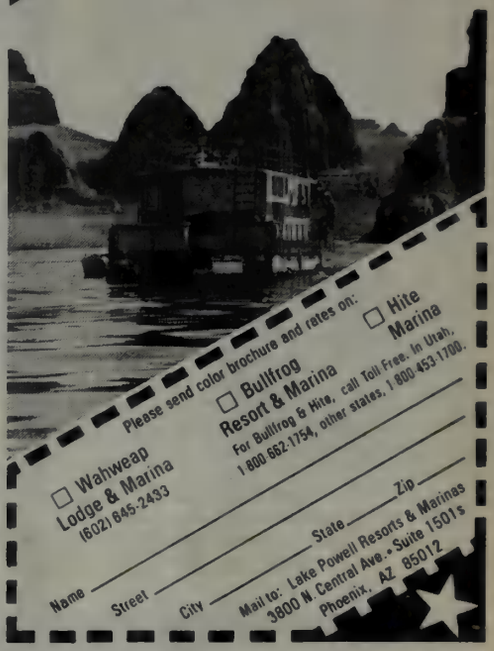

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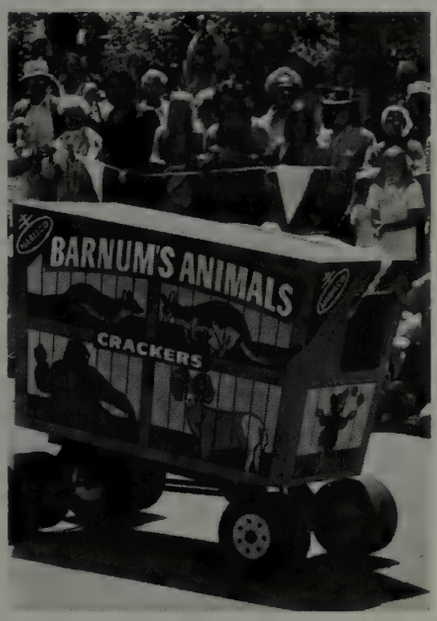
Zany May 21 in San Francisco ...it could only be the Artists' Soap Box Derby

lashy entry *sports guitar fenders, rousel mustang on hood*

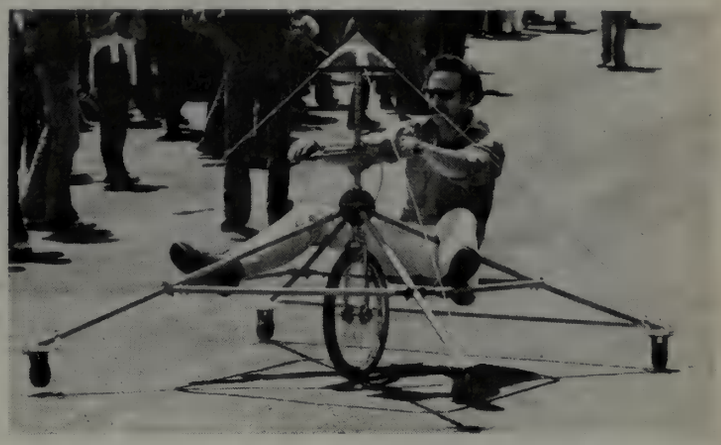


Cooky wagon *brings back fond memories for grown-up spectators*

GLENN CHRISTIANSEN

Runaway tumbleweed *plunges past spectators along curving race track*

river prepares *to slip on giant sneaker, hile impromptu pit crew gives it the once over*



What is it? *Who cares, as long as it wobbles downhill*

If you've ever seen a 14-foot tumbleweed on wheels, or raced a giant tennis shoe down a hill, or munched on a racing car (the pumpernickel fenders were delicious), you must have attended the 1975 San Francisco Artists' Soap Box Derby.

This zany event will be staged a second time May 21, beginning at 10 A.M., in McLaren Park near the Cow Palace. (Going south on U.S. 101, take Paul Avenue exit; going north, Third Street.) You can preview the entries May 13 to 19 from 11 to 4 at Fort Mason, Pier 2.

A hundred Bay Area artists have been invited to create their wildest dream on wheels for the derby. There's one rule: the entry must be able to navigate a 500-foot sloping roadway.

Race day, prizes will go for the funkiest, most impractical, slowest, dumbest, most biogradable and other categories. (Some entries are X-rated.) Action continues until late afternoon. Banners, music, and food vendors lend a raceway atmosphere. Admission is free. Concession and program sales benefit the San Francisco Museum of Art. □

For connoisseurs of
the out-of-the-way

"Beautiful hidden valley round as a cup"

In telephoto view *from Inspiration Point, Covelo begins where main road nears left edge of picture*

Covelo *is about 180 road miles north of San Francisco*

STEVE W. MARLEY

Pasturelands *adjoin road along east side of valley, and horse raising is still important business here. Lines of oaks mark minor stream courses*

Of all the places in California where you might expect a sizable population, one of the least likely is Round Valley.

It is virtually walled in by the deeply wrinkled terrain of northern Mendocino County east of the Redwood Highway (U.S. 101). Still, a few settlers had found Round Valley by the mid-1850s, Indians knew it long before, and newcomers have recently swelled its population to around 3,500.

The area offers very little of what usually attracts and amuses tourists. A good 3½-hour drive from San Francisco, it's for connoisseurs of out-of-the-way places. Indians and the isolation of this place have given it a flavor all its own.

The 29-mile entry from Longvale on State 162 is a pleasure. Pavement follows Outlet Creek, then the Eel River through empty open country, with hills towering high above, all the way to the cliff-hanging settlement of Dos Rios. Then you climb away from the river a few miles, and there it is.

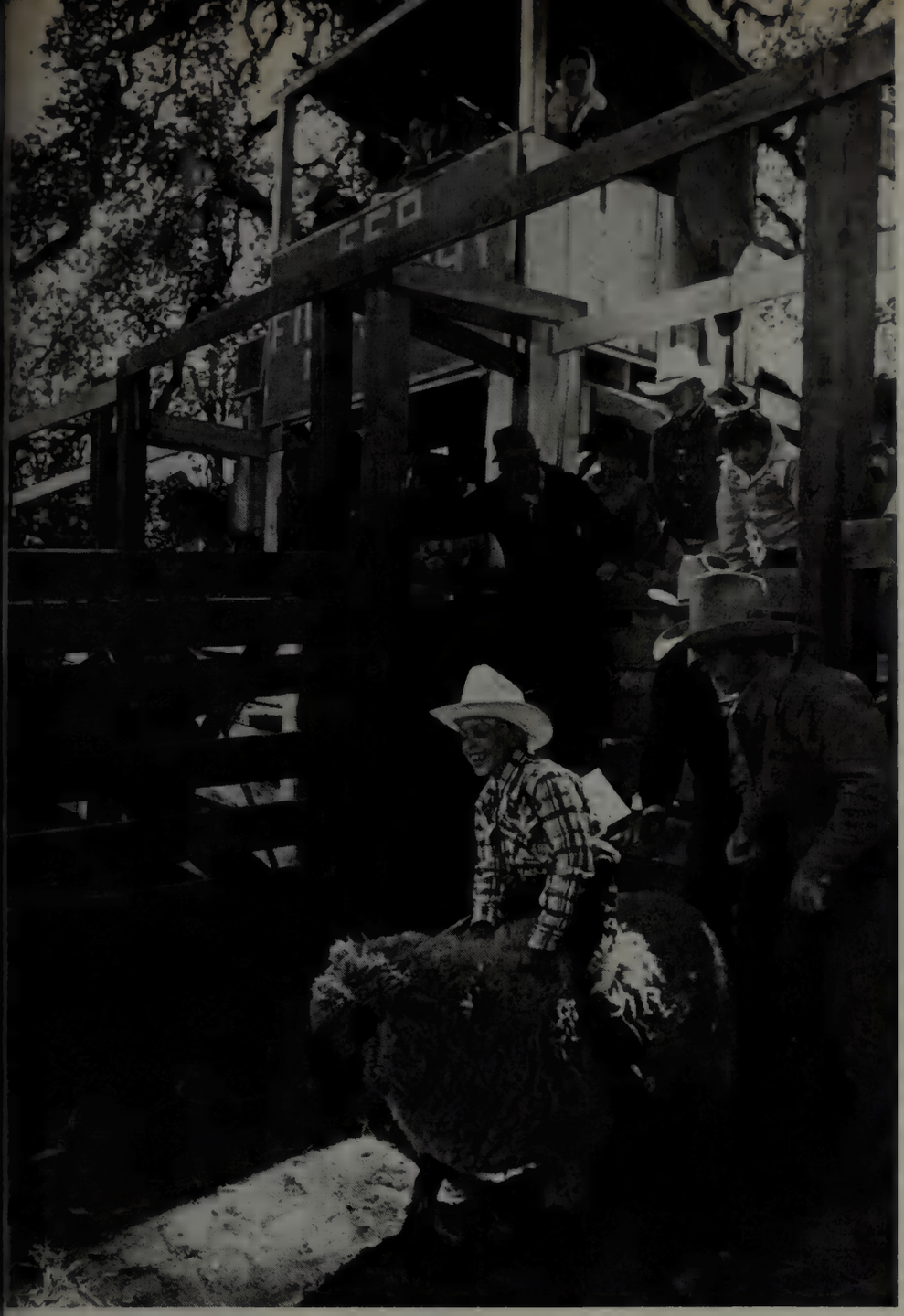
Today's visitors are as surprised as the early explorers when they come upon this "beautiful hidden valley, round as a cup." It fairly bursts on you as you top Inspiration Point and look north across 6 miles of almost flat, tree-dotted valley hemmed in by wooded hills. Midway along the main road running through it is Covelo, an unincorporated town with around a quarter of the valley's people.

This month the grass stands high and California poppies have come out en masse. May weather should be mild and dry. Round Valley really gets lively on Mother's Day Weekend (May 13 and 14 this year) when the high school's Future Farmers of America put on their annual celebration called Field Day.

The Chamber of Commerce gives Field Day a Saturday morning sendoff with a "Fly-In Breakfast" open to everyone. (A few guests actually fly there—Round Valley Airport has a 3,400-foot runway.) Soon the parade forms up. It is homespun and very low key: riders, marchers, musical groups, ancient vehicles, home made floats. (Two years ago its slow procession "ran just 10 minutes shy of a full hour," said the *Round Valley News*.)

Then the center of activity moves north a mile or so to the rodeo grounds on the Indian reservation. Saturday afternoon and Sunday you can walk around to see livestock shows and exhibits or sit on wooden bleachers and watch rodeo and horse show events. All contestants are local youngsters. Admission is free.

A barbecue lunch ($2.50 to $3.50) is



No age limit *for the sheep riding event. It's an amusing variation on calf riding (for older boys) and Brahma bull riding (for cowboys)*

A Western hat *is always appropriate in Round Valley. Shops on Covelo's main street have plenty of them*

There's curbside seating *(upper picture) for spectators at Covelo's Field Day parade. Pony cart pictured won a prize*

rved Sunday at the rodeo grounds. The odern Round Valley Inn and the much lder and less pretentious Covelo Hotel oth serve three meals daily. The Inn so has a bar, and reserves one room r pizza and old movies on Friday and aturday evenings.

he only overnight accommodations are the Wagon Wheel Motel on the main reet (17 units, $17.80 for two); telehone (707) 983-3491 or write to Route Box 103E, Covelo 95428. Otherwise u will have to base in Laytonville (26 iles away) or Willits (43 miles).

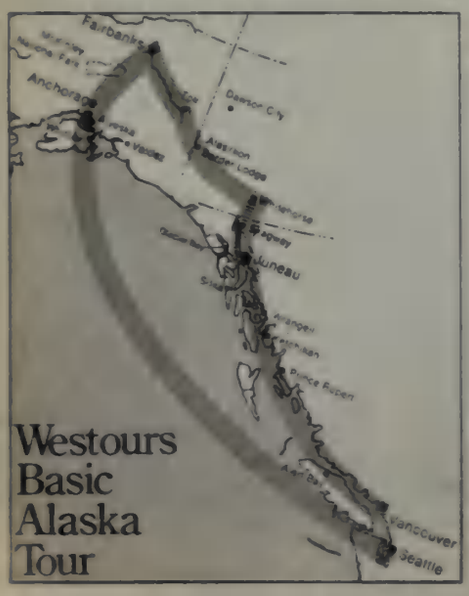
nother good time to visit might be abor Day weekend, when a local Inian club stages the annual three-day ound Valley Rodeo. This, too, starts ith a parade. Rodeo contestants include rofessionals who come for the prize oney. Admission is $2.50 for adults.

Sunset readers might like to visit the Round Valley Garden Project, founded by Alan Chadwick, an English proponent of French intensive gardening who once headed a similar project at UC Santa Cruz. He works with 40 apprentices who come to learn his philosophy and techniques—and grow quantities of flowers, fruits, and vegetables. Some later stay to work in Round Valley.

You can join a tour every Thursday at 2. Or call (707) 983-4784 to arrange a special time. To get there, take the main road from Covelo north 1 mile to Biggar Lane, left ¾ mile to Crawford Road, then right about ¾ mile.

"The Stolen Valley." The town of Covelo lies just outside the southeast corner of the Round Valley Indian Reservation, which extends about 6 miles north and 12 miles east to west. Fewer

Margerie Glacier, one of the world's slowest moving waterfalls. The Monarch Star, one of Alaska's most spacious cruise ships, registered in Panama.



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JIM WHITTAKER WAS THE FIRST AMERICAN ON MT. EVEREST. He is the leader of the 1978 American Expedition of K2, the world's second highest mountain. Last summer, he and his wife, photographer Dianne Roberts, toured Alaska and cruised the Inside Passage with Westours, Alaska's most experienced guide.

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There were harbor seals, humpback whales, gulls and goats on the cliffs above. Bald eagles soared for us—hundreds of feet above the sea. And a killer whale leaped completely out of the water.

Near Juneau, we hiked around the Mendenhall Glacier with some folks who had never seen snow before and enjoyed a cool one in the Red Dog Saloon.

Two things we wished we had done, but just ran out of time: Traced the Gold Rush Trail of '98 aboard the narrow-gauge White Pass and Yukon Railroad to Whitehorse; and visited the Arctic Eskimo land.

We visited Anchorage, the Matanuska Valley and Portage Glacier.

I'm convinced now that if you have a limited time to see Alaska, a tour like this one is the way to go. You hit the high spots with absolutely no waste of time.

Whether you're traveling Alaska or climbing Mt. Everest, my advice is to go with the most experienced guide you can find. I went with Westours.

WESTOURS is the oldest and largest cruise and tour operator to the last frontier. If you'd like to take the trip Jim Whittaker took, or one of the many others from 7 to 26 days, see your travel agent. Or write for Westours' cruise-tour brochure: Westours, Dept. W-13, 100 West Harrison Plaza, Seattle, Washington 98119.

Westours

than 1,000 Indians live here, a fraction of the number once living in the valley.

The high-handedness and cruelty of some whites, setting off fierce retaliations by Indians, created an era of brutality and violence lasting several decades, and bitter feelings lingered long afterward. For details, read *The Stolen Valley*, by Rena Lynn (L&S Publishing, Box 628, Willits, Calif. 95490, 1977; $6.95).

Today, Indians have their community center, near the rodeo grounds, and live in homes scattered around the reservation. But Indians and whites share the same schools and also a new, mainly Indian-sponsored health center (the valley's only medical facility).

Roads north and east. For years the Eel River posed major obstacles to travel in and out of Round Valley. A ferry at Dos Rios, where the Eel River joins its middle fork, offered the only reliable all-year way to cross until 1891, when it was replaced by a bridge that would carry wagons.

The still-unpaved road continuing north to State Highway 36 (Fortuna to Red Bluff) and another going east to Interstate 5 in the Sacramento Valley simply replaced early-day trails. (Along the road east you can swim or fish the Eel, and camp in Mendocino National Forest; for more information, ask at the Covelo Ranger Station.)

Dam the Eel? You may recall that Round Valley was once threatened with extinction by a proposed dam on the Eel River at Dos Rios. After strong local opposition led by cattle rancher Richard Wilson (now on the California Coastal Commission), Governor Reagan in 1972 finally signed "Wild Rivers" legislation that put a 12-year moratorium on damming rivers like the Eel.

But a dam on the Eel has already been proposed again by a bill in the legislature, and a farm business group is trying to put the question to statewide vote in an initiative measure this November.

Two drives. While you're in Round Valley, take a short loop drive to its eastern edge for a better sense of how quiet this country still is. Just beyond the ranger station 1½ miles north of town, take Hurt Road to the right as far as the lumber mill, then turn right on Short Road and stay close to the hills. Eventually you're on Fairbanks Road, which meets the main road 2 miles south of Covelo.

For a pleasant short detour on the way home, try unpaved but easy-driving Poonkinney Road. It turns west from the main road opposite Fairbanks Road and takes you gently up and over the ridge 11½ miles to Dos Rios. From there you can return to the Redwood Highway 16 miles south to Longvale, or 12½ winding miles west to Laytonville. ▫

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Hilton Hawaiian Village

PETER O. WHITELEY

Thimbleberry and deer fern *crowd edge of road through virgin stand of redwoods*

Delicate strands *of salal flowers are seen in old-growth redwood groves*

Towering stalks *of cow parsnip can be found close to the coast in Prairie Creek Redwoods State Park*

Wildflower walking in the redwood parks

Most blooms are small, soft spoken. But not the wild rhododendrons

Seasons are muted in the redwood forest, merging softly each into the next. Yet spring puts on a show even in these timeless groves. Some shrubs and small plants that grow beneath the redwoods flaunt showy blossoms. Most, though, are more discreet, sprouting tiny flowers or clusters of shiny green leaves.

A walk through any of the north coast parks can reveal a surprising variety of blooms this month and next. Prairie Creek Redwood State Park just north of Eureka offers an especially good introduction. Almost 50 miles of trails over varied terrain crisscross the park's 12,240 acres, offering enough choices to

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See Lake Atitlan high in the mountains, sparkling water and timeless native villages dominated by magnificent volcanic peaks.

And Antigua, the 16th century capital of Spanish America. Here the ruins of once splendid palaces and cathedrals are being faithfully restored. So beautiful is Antigua's colonial architecture, it was named Monument of the Americas by the 8th Pan American Congress of Geography and History.

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PETER O. WHITELEY

Showy clusters *of rhododendron flowers thrive in this sunny forest clearing*

keep even the ambitious hiker busy for a week. Nearby Del Norte Coast and Jedediah Smith redwoods state parks have similar spring-blooming plants but fewer trails. Redwood National Park is still being developed and has only a few short trails.

Spring is one of the better weather seasons here. Morning fogs usually break up well before noon and warm afternoons are ideal for leisurely hikes.

Before starting, check at Prairie Creek park's headquarters at the main entrance for a trail map and information on what's blooming along the trails.

A slow pace and a sharp eye are sometimes necessary to spot many of the spring blooms shown on these pages. Some, like the common cow parsnip, are really an umbel (cluster) of tiny flowers; a magnifying glass will help you study them. Others, like the fragrant wild ginger, are inconspicuous and grow close to the damp ground; take a plastic sheet to kneel on while you sniff the purplish-green flowers. The most helpful guide we've found for identifying plants of the redwood forest is *Redwood Empire Wildflowers,* by Dorothy King Young (Naturegraph Publishers, Box 987, Happy Camp, Calif. 96039, 1976; $3.95).

Rhododendrons are the showiest shrubs in the park: They can grow tree-size with clusters of blossoms as big as your hand shaded in delicate pinks or bolder red verging on purple. Best displays are on Rhododendron, Hope Creek, Ten Taypo, and C.R.E.A. trails.

For sheer variety of flowers, fungus, and ferns, East Ridge Road (a fire road closed to cars) is one of the better trails. The redwoods open up here, mingling with Douglas firs and such wildflowers as the wood anemone and inside-out flower as well as various fungus.

A splash of red *on the forest floor signals clintonia, member of the lily family*

James Irvine, Prairie Creek, and Brown Creek trails follow small streams through virgin stands of redwood. Cloaked in almost perpetual twilight, the understory is thick with ferns and highlighted occasionally by salal flowers resembling fragile strings of tiny bells, red clumps of clintonia blossoms, and starlike tri-petalled trillium, white with hints of purple.

Prairie Creek Redwoods State Park is about 40 miles north of Eureka on U.S. Highway 101. It has a picnic area and 100 campsites with restrooms and water. Overnight camping costs $4 and reservations are recommended (available through Ticketron). There are private campgrounds along Highway 101 and campsites at Del Norte Coast and Jedediah Smith state parks. □

In early morning *coolness, registered runners line up to receive their numbers*

No. 2246 *becomes official. Now comes the long wait for the starting gun*

JERRY FREDRICK

Spirits are high *as they pass the Conservatory in Golden Gate Park; 3 miles to go!*

Bay to Breakers... San Francisco's annual madness, May 14

It's an incredible race: 12,000 runners pounding the pavement from a scruffy back street by San Francisco Bay to Ocean Beach. This is the annual Bay to Breakers madness. Now in its 68th year, it's become more of a social event than a purely athletic one, and it's treated as such by most of the entrants.

They range from schoolboys and girls to graybeards. Army bases send busloads, as do colleges. Every sizable city in northern California has its contingent. And many entrants come from out of state and even out of the country.

This year's date: Sunday, May 14.

The route. From their chaotic mass start on Howard Street, the runners surge past winos and other watchers to Ninth Street (1.6 miles), cross Market Street, and turn up the lung-bursting 11-percent incline of Hayes Street. Topping out six blocks later, they cut across Divisadero Street, then enter the panhandle of Golden Gate Park (3.4 miles).

Here a few call it a day, but like lemmings drawn to the sea, the rest of the runners bob along John F. Kennedy Drive, past the Conservatory and the de Young Museum (5 miles), down to the Great Highway and the sound of breakers—and the roar of the crowd near the finish line (7.86 miles).

To watch: Most spectacular view is the one down Hayes Street as the runners come surging around from Ninth. The street fills and refills as thousands of lagging runners reach the foot of the hill to replace those who have topped it and gone on. For a good viewpoint, try Alamo Square at Hayes and Pierce.

There's pleasant and uncrowded viewing in Golden Gate Park. Come early, bring a picnic lunch, find a grassy spot, and await the charge. The superstars should arrive about 10:15 to 10:30; the mob will follow within minutes. Then for an hour—literally—the runners, joggers, and fast walkers will flow past in a never-ending stream.

We don't suggest trying to watch the start or the end; both areas are jampacked at the key moments, and vantage points are few.

To run. Official entry deadline was April 17. But thousands will show up to run unofficially; no one seems to mind.

If you jog or run regularly and want to try Bay to Breakers, get a doctor's approval and try one or two 7 to 8-mile runs in your neighborhood.

Then show up at Howard Street between Spear and Main by 9:30 on race day. Parking is horrendous; have someone drop you off. Then relax. If you make it up Hayes Street hill and on into the park, you should make it all the way. □

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DARROW M. WATT

A headphone tour: *This city library has language records and manuals in a dozen languages —handy for a last-minute brush-up*

When you want to learn a foreign language quickly

Tutor watches *as student practices buying china before her trip to the Orient*

Inventive sign language will let most of us communicate in a foreign country once memorized phrases wear out. But pantomime is no match for learning a language well enough to order an unusual item on the menu, talk with people about their likes, dislikes, and beliefs, or find a hidden inn 20 kilometers down a country lane. Learning may not take as long as you'd think.

What are your options?

There are language schools, private tutoring, adult education classes, junior college or university courses with language laboratories, library or purchased records and tapes, or even home hospitality with a foreign student as your guest. How much you learn and what you pay runs the gamut.

Reaching "survival level" in a private school: two popular methods

Private language schools are often the quickest way to learn, albeit the most expensive in the short run. Some courses are geared specifically to the traveler. Hourly rates for private lessons are about $10 to $15; group rates drop substantially. While some schools are pay-as-you-go, others require a contract and advance payment. Ask about make-up lessons and refunds in case you are unable to complete a course.

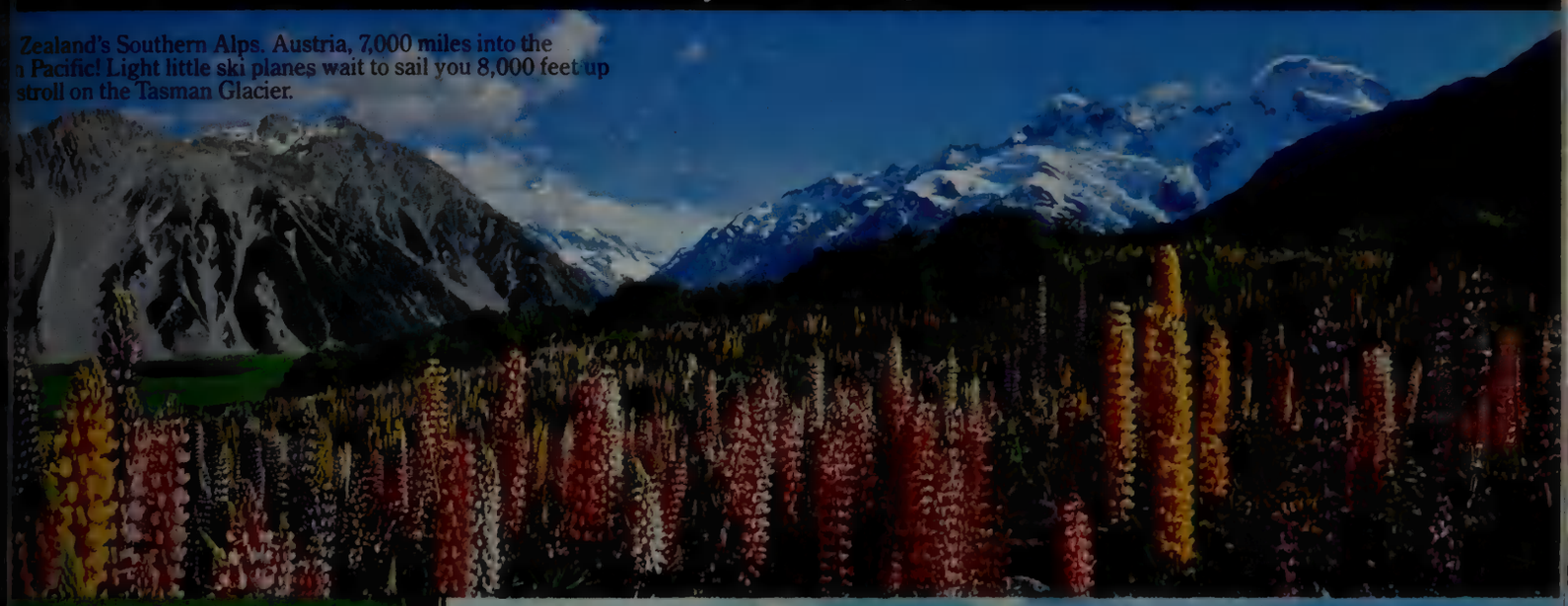
How much instruction do you need? That depends on the language, the school, and you. Germanic languages (including Swedish, Danish, and Dutch) and Romance languages (including Italian, French, and Spanish) have close ties to our own, and 30 to 60 lessons may bring you to an adequate basic level. With languages totally unlike our own, such as Japanese, Russian, and Swahili, it can take much longer.

The two most popular teaching techniques used in language schools are the "direct" method—conversation in the language without translation from English—and self-paced, more traditional programmed instruction using tapes and workbooks.

Proponents of the direct approach em-

Close your eyes and imagine an island in the South Pacific.

Is this what you imagined?



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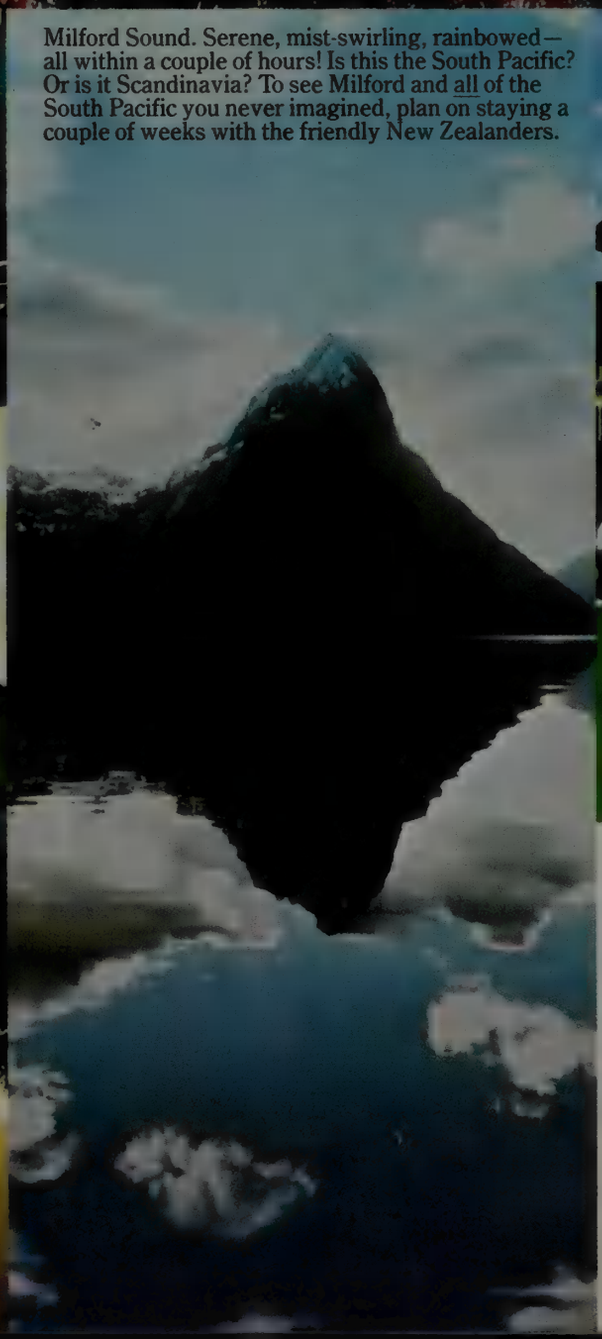
n Pacific! Light little ski planes wait to sail you 8,000 feet up
stroll on the Tasman Glacier.

stchurch. Straw boaters, school
nd blazers in a South Pacific better
n for bikinis and grass skirts!

e usual island tourist hustle seems far
y here in New Zealand, it is!



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phasize the value of learning to "think" (or at least react) in the foreign language so that speaking becomes second nature. Phrases are tied to actions rather than written words. For example, an instructor may walk in the door and sit down saying, *"J'entre par la porte et je m'assois."* If she is met with a blank stare, she will repeat the action and words until it sinks in. Grammar and spelling can be worked on later.

Programmed instruction advocates say their students learn to speak, understand, read, and write the new language all at the same time. They claim that this leads to greater retention. Their courses are generally supplemented with private instruction for review and conversation; 2 hours of tapes might be balanced by 1 hour with a teacher.

Special courses, role playing, and complete immersion

Many schools pride themselves on tailoring language courses to specific needs. A scuba-diving archeologist preparing for a trip to Mexico could learn auxiliary vocabularies in addition to basic Spanish. Larger schools will teach you any language—even if it means flying in an instructor from a remote area.

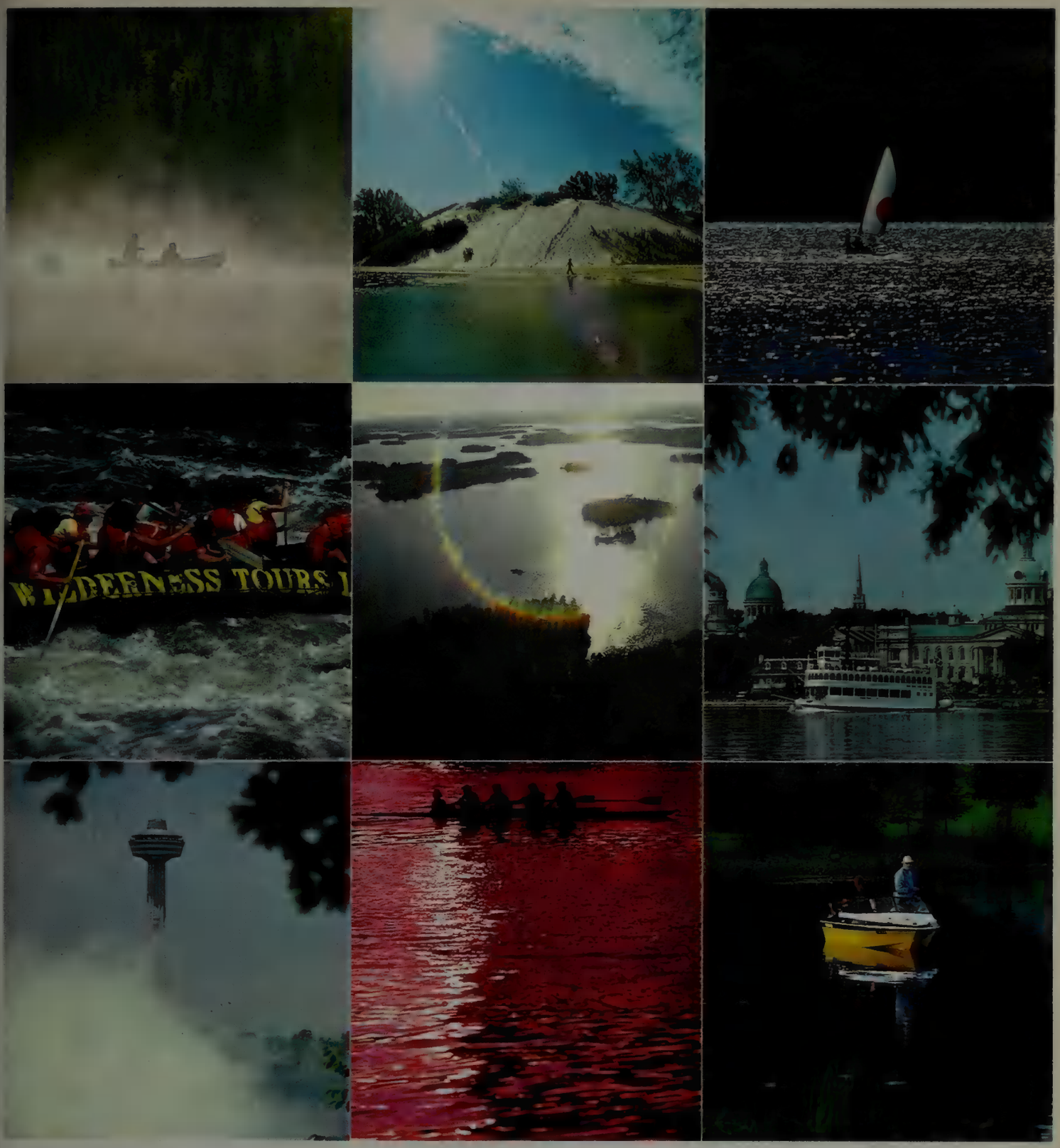
Role-playing is a valuable learning method. Using the foreign language, teacher and student often act out typical travel predicaments (getting tickets, going through Customs, bargaining, telephoning). This builds confidence in a way that tapes alone cannot do.

Some schools have an immersion program where survival level may be reached in as little as four or five days. This linguistic "brainwashing" may begin as early as 8 A.M. and expose you to full days of intensive conversation. You are given reading and writing assignments to take home. However, some students tire more easily than others, and the "complete immersion" may be shortened to 4 or 5 hours. In any event, to help break the monotony of conversation drills, the instructors alternate every few hours and short trips can be arranged, perhaps to a grocery store or restaurant to practice ordering lunch. At the end, you're off to a fast start—but some claim that without review a new language can fade almost as fast as it comes, or at least get very rusty.

Private tutors: You take the reins

With private tutors you get a personal quality: You can meet when and where you like, study specifics, and not commit yourself to a set number of lessons. A student tutor from the country you are visiting may offer additional cultural insights and suggestions for your trip.

To find one, call the language department of a nearby university or college. Fees range from $3 to $7 an hour. Don't expect the same professionalism



"The land of shimmering waters"

That's literally what Ontario means, and it's no idle promise: four hundred thousand lakes, all kinds of canoe routes, outfitters, outpost camps, fourteen species of freshwater game fish, dozens of leisurely boat tours past thousands of islands, hundreds of miles of inland waterways, fantastic sand dunes, paddle wheelers, moonlight cruises, bathtub and kayak races, sailing regattas, first-class berthing at some top-notch lakeside resorts and, yes, Niagara Falls. For a thousand ways to take to the lakes, call COLLECT (416) 965-4008, or write: Ontario Travel, Dept. S.W., Queen's Park, Toronto M7A 2E5. We'll send you our Traveller's Encyclopaedia.

Ontario Canada

from a student that you would from a language school, and if the tutor is inexperienced you may have to take the reins in specifying exactly what you need to know and how to make the best use of your time. On the other hand, a native tutor won't waste time teaching seldom-used, formal vocabulary.

Night classes—a slower way

Adult education classes are usually not designed for quick learning. Large classes and infrequent meetings make the kind of verbal give-and-take you need for speedy, colloquial catch-phrase mastery almost impossible.

But there is more time for the instructor to go into details, and to fix and reinforce newly acquired knowledge. And the price is certainly right: Often a nine-week class costs less than $10.

Back to college

College and university courses, though more intense, suffer somewhat the same drawbacks as adult education classes. To make up for the lack of individual attention, students are encouraged to use the language laboratory. With tapes, workbooks, and careful repetition you proceed as quickly as you like. Normally in order to use the laboratory you must be a tuition-paying student.

Sometimes languages are taught via television—as is done by station KPBS in San Diego.

Language through picture books

Some of the most successful beginning-level instruction books are paperbacks designed to teach a language through pictures. Common words in conventional sentence forms are made clear through sequential drawings. You test yourself using the workbook section. Filmstrips and recordings can be ordered to complement these books. Ask a bookseller what's available.

Learn-a-language records

Mail-order companies and record shops offer records and cassettes in a variety of languages, with phrases spaced so that you can repeat them aloud. Most sell for $11 to $16 for one or two-record sets or tapes, including a manual and small dictionary.

Visit your local library

The least-expensive learning center is a well-stocked library. Books, records and tapes are free to cardholders; however it may be hard to find them in languages that are not in popular demand.

Invite a foreign student to your home

Finally, the most casual way to learn a bit of a language is simply to invite a foreign-language-speaking student to your home. Most large colleges and institutions have a foreign student advisor who will arrange hospitality visits. □

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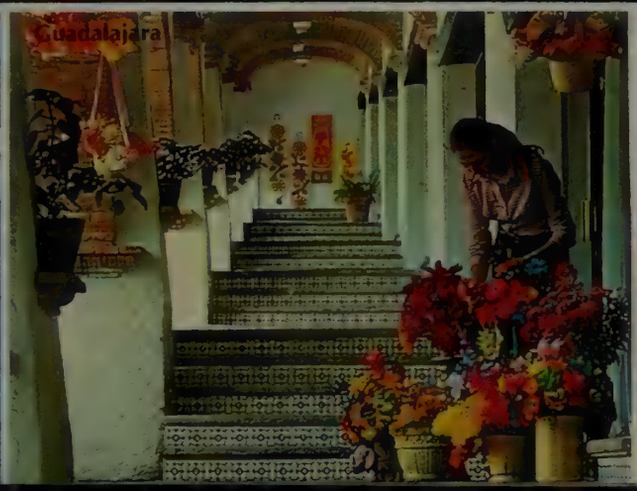

THE VIRGIN ISLANDS

with John H. Keller
President
Caribbean Holidays, Inc.

I've visited the Virgin Islands dozens, maybe hundreds, of times, yet I'm always surprised to see sky so blue, water so dazzling. Everything sparkles, burnished by the breeze.

And what exhilarating sailing these protected islands provide. Trade winds fill the sails and the temperature averages 78°, while countless sheltered coves provide perfect anchorage for a secluded swim, snorkeling over coral gardens, or a beach picnic.

Of the three principal American Virgin Islands, St. Thomas is perhaps the liveliest. The capital, Charlotte Amalie, nestled in the curve of a sweeping bay, is picturesque and entertaining, with unsurpassed shopping. Designer fashions and perfume, watches, cameras, crystal and linens tempt you with savings. Instead of the usual $100 duty-free exemption, the U.S. visitor may bring home up to $200 in purchases without paying duty.

St. Croix is pastoral and serene, with Danish towns, tempting shopping on a smaller scale, sugar plantations, and a famous 6,909-yard championship golf course. With 7,000 acres of National Park and matchless isolated beaches, St. John offers two sides of a vacation: unspoiled nature and one of the Caribbean's most elegant resorts.

We at Caribbean Holidays design vacation packages to the Virgin Islands which emphasize both variety and value. For instance, "Sun, Sand and Free" gives you your choice of hotels on each of the three islands, plus sightseeing, a flight bag, discount coupons, a bottle of rum, a boat trip and snorkeling equipment for a day on St. Thomas and St. John. Prices per person, double occupancy, range from $61.25 to $385 for eight days and seven nights.

Vacations with both shorter and longer stays are available, some with an emphasis on tennis, sailing, snorkeling or golf. We have a package that allows you to divide your stay between two great resorts, and one that includes a day in San Juan, Puerto Rico.

If you'll tell your travel agent you want a Caribbean Holidays vacation, he'll explain them all to you. And find you the best airfare value as well. When you see him, please tell him I sent you. Caribbean Holidays has been creating Caribbean vacations since 1932.

JERRY FREDRI

Rent a sailboat *for $2.50 an hour; canoes, paddle and row boats are also available*

Fremont park . . . t sail, jog, watch

Fremont's Central Park has enough t offer to bring people in from some di tance. And it's easy to reach without car from much of the Bay Area: Th Fremont BART line, with Saturday se vice, ends just two blocks away.

Within the park you'll find boating f cilities and a 65-acre lake, a 2½-ac swimming lagoon with sandy beaches, giant play structure, athletic fields, an open grasslands. The swimming lagoo (25¢) opens for the season on May 6.

Circling the lake is a paved 2.2-mi jogging and cycling trail (you can brin your bike on BART). Six tennis cour —18 by early summer—are availabl call (415) 791-4340 to reserve. Picnic ers can choose from 90 tables and 4 barbecue pits.

In the southeast corner of the parl a natural marsh attracts many species c birds, and some wildflowers may still b in bloom there in May. You can s both from a wooden walkway that tou the wildlife area. Naturalist Pat Hay will lead group tours by appointmen call the number given above.

By car, take State Highway 17 sout from Oakland or north from San Jo to the Stevenson Boulevard exit an drive east on Stevenson about 2 miles t Paseo Padre Parkway; turn right. A le off Paseo Padre to Sailway Drive tak you into the main parking area (o weekends it is often full by noon). Th park is open from sunrise to 10 P.M.

The Waring Steam Chef™ cooks your whole meal without you standing there. And that's good. But not as good as the meal."

Just put your meat (or chicken or fish) in the bottom part of the Waring Steam Chef™ your potatoes and vegetables in the top part. Be as creative as you want with herbs and spices and seasonings. Then plug in the Steam Chef and go away. Come back in about 30 minutes and your meal will be ready. Because the Steam Chef cooks with steam, your food cooks in its own juices. No grease, no oils, no fats. Just good natural food with all the good left in. And the cooking dishes go right to the table, then on to the dishwasher. The convenience is terrific. And the broccoli is out of this world.

WARING

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MAUI. THE PLAC

Maui moves with the timeless energy of an island in a state of constant discovery. Things are definitely "happening" here and visitors come from all over to see what it's all about.

On first impression Maui seems as innocent and untouched as if it arose from the ocean floor only yesterday. The jungled valleys. Bright ribbons of white sand. Cool uplands. Vast craters.

But make no mistake. Maui wears its age well.

Through the years, it has become an island of many faces. While its rugged slopes still contain the weathered bluffs and lush valleys of long ago, its sunny lowlands have sprouted luxurious resorts, vacation condominiums, golf courses and shopping complexes that share the scene with restored historic landmarks reminiscent of the lusty days of whalers in Hawaiian ports.

Truly, there is something for everyone on Maui.

Many claim the best beaches in the world are on Maui. There are 42 to choose from, most with soft, silvery sands that seem to stretch endlessly toward the horizon. And if you can't seem to pull yourself away from sand and surf, there are several outstanding beachfront resort areas like Wailea, Kaanapali and Kapalua, each designed to combine beach time with golf, tennis and sightseeing activities.

Molokai and Lanai, the two other islands that make up Maui County, are the closest you'll probably come to seeing the real old Hawaii. Whether you're clopping down a 2000 ft. trail on a mule in Molokai...or exploring the 75,000 acres of wide open spaces in Lanai, it is not difficult to appreciate the islands' peaceful beauty and unassuming life.

Recently, Molokai has become a popular "discovery" for the modern world with a brand new resort just opened and several others planned.

Eating places range from a tree house restaurant to waterfront snack bars, mango and papaya stands and small roadside markets.

Maui has become a mecca for those wh want availability pl some of the most c scenery in the worl Beautifully well-ke courts are available the major resorts, t abundant flowers a shrubbery providi lush tropical setting for play.

Golfers share a si experience. There a six courses, many o looking the ocean a near distant islands

Once the capital of Hawaiian Monarch Maui's Lahaina tow now a capital place vacation. Blessed b beautiful seaside lo it is a salty blend of narrow sidewalks,

OR ALL SEASONS.

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Hawaii isn't just a single island state, but eight stately islands, each with its own story. Our heritage reads like a world tour—Chinese, Japanese, Filipino, Korean, Hawaiian, South Pacific Islander, English, Portuguese. But everyone shares the "Aloha Spirit" unique to the Islands.

OAHU is still the "Gathering Place" for active Hawaiian life. Luxury hotels, world class restaurants, shopping and nightlife are a stone's throw from white sand beaches and dense rain forests. Downtown Honolulu is a delightful montage of modern office towers and wooden facades of early Hawaii. Oahu's North Shore contains some of the finest, fiercest surf anywhere. And for a bit of history, most visitors include stops at Iolani Palace and the Pearl Harbor Memorial. It's all part of the most sophisticated paradise in the world.

KAUAI, Hawaii's exotic greenhouse, boasts shimmering green valleys, dripping fern grottos, tucked away beaches—yours for the day or a lifetime.

HAWAII is the Big Island for contrasts: 13,000 foot volcanoes tower over orchid nurseries while vast, low stretches of lava tumble into black sand beaches. Here, activities like golf and fishing seem less like common sports and more like exotic experiences.

"Island-hop" in no time by plane or hydrofoil, and try to see a bit of each. After all, when you see one island of Hawaii, you've really only seen one.

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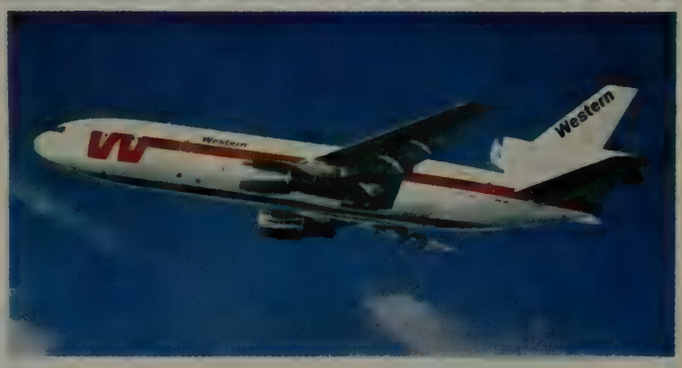
our Travel Agent or mail coupon for more information.



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Yet, with all the carrying space, the '78 VW Bus costs only a little more to buy than the average station wagon and less than most big station wagons. And to run, it's ahead by miles. Because the '78 Bus' peppy, fuel-injected, two-liter engine is quieter and delivers an estimated 25 mpg on the highway, 17 in the city, according to 1978 EPA tests. (Of course, actual mileage may vary depending on how and where you drive, optional equipment such as automatic transmission, and the condition of your Bus.)

When it comes to versatility, nothing compares to the Bus. Its rear hatch and big sliding door make it a snap to load. The rear seat folds down for even more cargo space. And the Bus' eight picture windows give everyone in your group a great view of the world. With all that space inside, the VW Bus is still small enough outside to be parkable in spots that regular station wagons have to pass up.

So if you want to take your group out in style, comfort and economy, remember, it's more fun to take the Bus. The 1978 Volkswagen Bus. It gives you group rates every time you travel.

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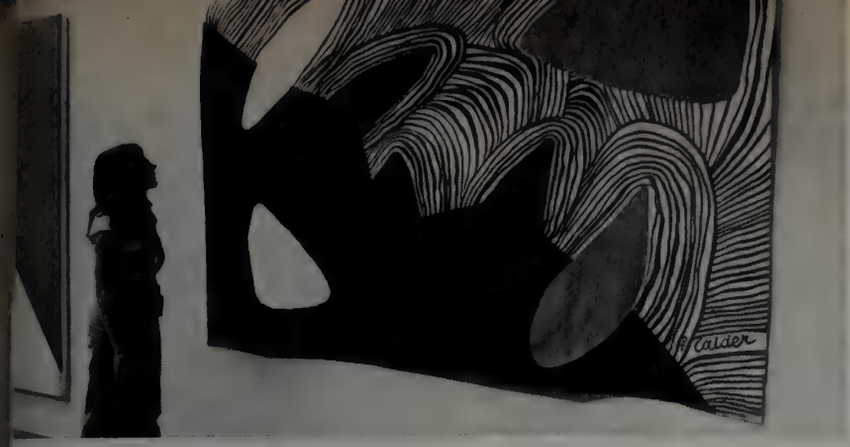
IT'S MORE FUN TO TAKE THE BUS.



alder's favorite colors—*red, black, nd blue—run through tapestry made y famous weavers at Aubusson, France*

JERRY FREDRICK

From the Calder kitchen: *coffee cups hat won't spill, generous ladle of heet aluminum, silver serving spoon*

1928 exhibition sign *shows a long fascination with the circus*

Two small stabiles, *stationary sheet metal sculptures, sit atop pedestals in the San Jose Museum of Art*

In San Jose . . . the antic art world of Alexander Calder

The Only Bird *is a whimsical adult toy nade from materials found close at hand*

What do a tin-can bird, an Aubusson tapestry, and a brass and porcelain coffee cup have in common? All are children of Alexander Calder's antic wit, affection for life, and fascination with the world we live in.

An artist for nearly all of his 78 years, Calder scarcely missed a chance to try his hand with any material that came to mind. Until his death in late 1976, he created magic with wire, wood, wool, paint, ink, and steel, movement by motor, and movement by breezes. He sent his signature flying high on the sides of Calder-painted 727 and DC-8 jets. And in public places around the world, his giant, fanciful abstract sculptures poke up beside the most serious of buildings, prodding us to remember to smile.

Through May 21, visitors to the San Jose Museum of Art will have a chance to delight in Calder's achievements and sense of fun. Some 125 works indicate the span of his career—toys, posters, book illustrations, jewelry, household objects, and mobiles and stationary stabiles that have made him the American artist best known to the rest of the world.

San Jose is the show's only California stop. *Calder's Universe,* the excellent $12.50 catalog published in 1976 when New York's Whitney Museum assembled a larger version of the exhibition, is considered the definitive book on Calder. The San Jose Museum, at 110 S. Market Street, is open free from 10 to 4:30 Tuesday through Saturday, noon to 4 on Sunday. Call (408) 294-2787 to arrange special guided tours. □

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on the tip of Baja. And unspoiled Ixtapa/Zihuatanejo or intriguing Manzanillo.

If you have time, take the 14-day round-trip cruise. You'll enjoy a sizable savings.

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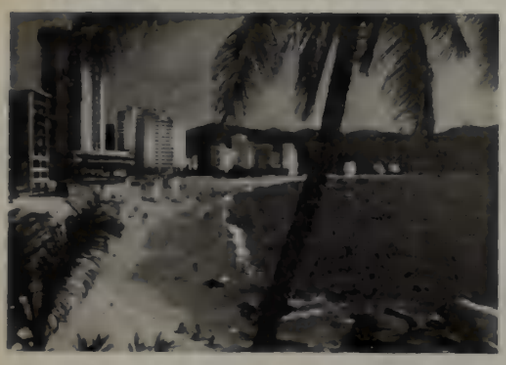

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GREGG MANCUSO

Stone mansion *designed by Willis Polk for Empire Mine owner William Bourn is on the Grass Valley tour*

May doings in the gold country

May is a favorite month to visit Cal fornia's gold rush country. Fund-raisir events this month to preserve buildin in two venerable area towns offer add tional incentive.

In Grass Valley . . .

The carpenter Gothic structure of Gra Valley's Emmanuel Episcopal Church showing the strain of its 125 years. T benefit the old church, area residen will share their town with you and off a Cornish meal with music on two Sa urdays, May 6 and 13.

On the tour, you will be guided by c and on foot to some 12 sites, includir Empire Mine and the homes of two fa orites of the miners: Lola Montez ar Lotta Crabtree. The tours start fro St. Mary's Convent at S. Church ar Chapel streets between 9:30 and 3:30

Meal and tour combined cost $8 f adults, $4 for those 12 and younge Reservations are advisable; write or ca Mrs. Bernice Mors, 461 Brighton S Grass Valley 95945, (916) 273-9085.

. . . and in Amador City

Oldest wood-frame hotel in the go country, the 1855 Amador Hotel Amador City will be the center of month-long spring celebration. Close since 1975, the hotel reopens May with a Mother Lode art show from 10 5 daily and brunches and dinners weekends. Brunch ($4) will be serve from 10 to 2 and dinner ($10) fro 7:30 P.M. on. Reservations are require telephone (209) 223-0970.

Grass Valley is on State Highway 4 about 55 miles northeast of Sacrament The Amador Hotel is on State 49 Amador City about 35 miles southea of Sacramento.

Cutlass Salon takes on Datsun 510 and Toyota Corona.

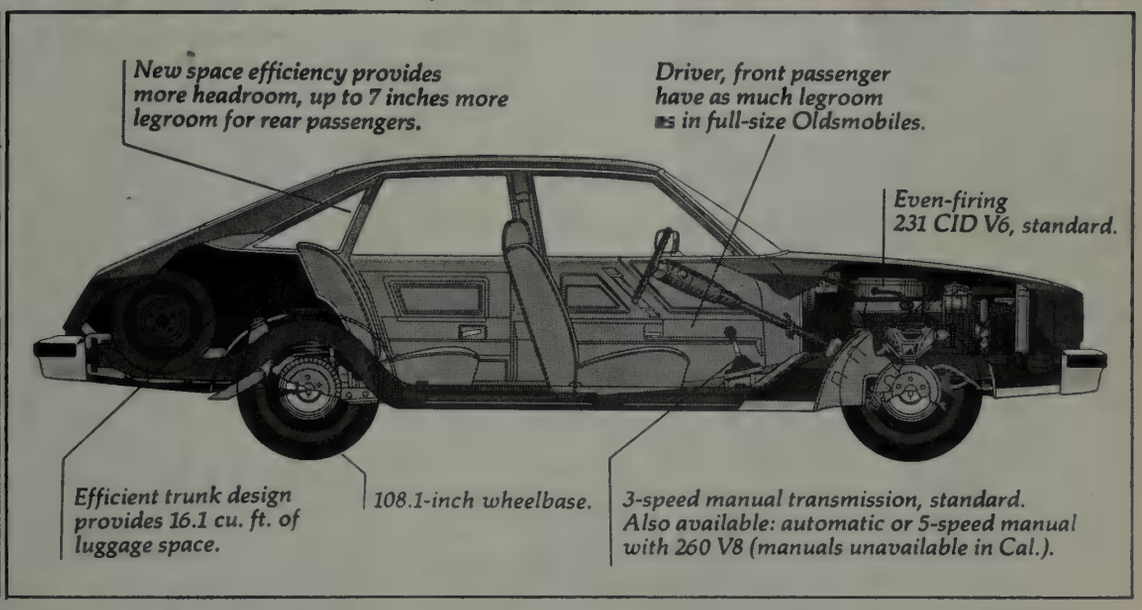
Noticed what's happened to the price of imports today? It stands to reason that if a foreign car is going to be priced higher than an Oldsmobile Cutlass Salon, you might expect more size and room for your money. Yet, Salon gives you more headroom, legroom and shoulder room than these imports. Plus the roomy comfort, trunk space and fuel economy you need. And, Oldsmobile engineering.

	Price	Economy		Room and Comfort						Trunk
		Power Train	EPA Mileage† Hwy.-City Combined	Front Head-Room† (in.)	Front Leg-Room† (in.)	Front Shoulder Room† (in.)	Rear Head-Room† (in.)	Rear Leg-Room† (in.)	Rear Shoulder Room† (in.)	Luggage Capacity† (cu. ft.)
Cutlass Salon Sedan	$4815*	231 CID 6 cyl., automatic*	27-19-22	38.7	42.8	56.5	37.7	38.0	57.1	16.1
Datsun 510 Sedan	$4863*	119 CID 4 cyl., automatic*	29-25-27	37.4	40.7	51.2	36.4	30.7	51.7	8.3
Toyota Corona Sedan	$4914*	134 CID 4 cyl., automatic*	23-19-21	38.0	39.3	51.5	36.8	31.6	51.2	10.1

*Manufacturers' suggested retail prices for models shown equipped with automatic transmission, including dealer rep; specific features will vary, car to car. Cal. MSRP re: Salon, $4890; Datsun, $4947; Toyota, $4994. Taxes, cense, destination charges and other available equipment dditional. Salons are equipped with GM-built engines om various divisions. See your dealer for details.

†Source: 1978 EPA data. Mileage figures are from the EPA Federal Buyer's Guide and are estimates: your mileage will vary with how and where you drive, your car's condition and equipment. Cal. EPA highway-city-combined estimates are: Salon, 23-16-18; Datsun, 28-23-25; Toyota, 23-19-20.

CUTLASS SALON



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Powwow visitors are wise to do some homework first

Before you rush off to a powwow at some near or distant place this summer (see page 106), it's a good idea to secure accommodations, do a little homework, and verify dates and locations.

Most Indian reservations offer some sort of accommodations—campgrounds, motels, hotels, or resorts. They range from spartan to luxurious, like Kah/Nee/Ta resort in Warm Springs, Oregon.

The Indian Travel Commission, 10403 West Colfax Ave., Suite 550, Lakewood, Colo. 80215, represents 140 Indian-owned campgrounds and 100 Indian-owned hotels, motels, and resorts. Write for a free directory called *Indian Country, USA: Resorts, Hotels, Motels.* It doesn't list prices but it will tell which have restaurants, televisions, swimming pools, and other services. Ask also for additional brochures on reservations you hope to visit.

In writing to this address or any other given on these pages, be sure to include a stamped, self-addressed envelope.

If possible, budget several days for the larger powwows. Between events there'll be time to explore the area and fish, hike, or relax.

Recreation rules for tourists vary among Indian reservations, so be sure to consult tribal headquarters or Bureau of Indian Affairs (BIA) agencies—each reservation has one—when you arrive. The Indian Travel Commission can also send you a list of all BIA addresses.

Suggested reading. The more you learn of the people and lands you'll visit, the greater your enjoyment.

If local bookstores disappoint you, write to MacRae's Indian Book Distributors, Box 652, Enumclaw, Washington 98022, for a free list of 1,400 titles on Indian subjects you can order by mail.

One immensely informative companion is *Fodor's Indian America,* by Jamake Highwater (David McKay Company, Inc., New York, 1975, 430 pages; $10.95) with essays and subject headings all designed to put travelers in touch with the Indian experience. Included are each reservation's laws, fees, museums, shops, campgrounds, accommodations.

The Indian Historian Press, 1451 Masonic Avenue, San Francisco 94117, will send you a free catalog of its books and periodicals.

The powwows. Check dates on our map (page 110), then look below for locations and times. These are *subject to change or even cancellation,* so we've added addresses and phone numbers to help you check ahead.

Dancing takes place at all events. For most three-day powwows, camps are set up, with registration and usually some dancing Friday evenings; dancing continues Saturdays from about noon to 5, then 7 to midnight or later, resuming Sundays about 1 P.M. and ending after the final dance competitions. All events here also have some craft and food booths.

Arizona. *June 30 to July 4.* Navajo powwow at Window Rock. Dancing, rodeo. Hall of Fame, Box 423, Window Rock 86515; (602) 871-4417.

July 1 to 4. Flagstaff All-Indian Rodeo and Powwow. Ceremonial dances (no contests), parades. For schedule, write to Chamber of Commerce, 101 W. Santa Fe, Flagstaff 86001; (602) 774-4505.

September 7 to 10. 32nd Navajo Nation Fair at Window Rock. Rodeos at 1, parade, carnival. Navajo Nation Fair, Box 738, Window Rock 86515; (602) 871-4417.

September 28 to October 1. Parker powwow. Fair; beauty pageant Thursday. Games Friday. Parade, dance Saturday. (602) 669-9211.

California. *May 13 to 15.* Kern County Fairgrounds powwow, Bakersfield. Call Ken or Howard Yackus (714) 638-4822 or (213) 581-3584 after 5.

May 19 to 21. Stanford University Powwow. Indian fair, noon speeches in White Plaza Friday. Competitive dancing on weekend. (415) 497-4078.

June 9 to 11, Merced College powwow at Merced County Fairgrounds. Gene Jones or Waheulia O'Campo, (209) 723-4321, ext. 233, weekdays.

June 16 to 18. Orange County Indian Center powwow on Coto de Caza Club grounds, 15 miles northeast of El Toro (from I-5, follow El Toro road northeast; at Y in the road go right on Live Oak Canyon Road. It becomes Trabuco Canyon Road, ending at grounds. Write Celest Rubidoux, 12511 Brookhurst St., Garden Grove 92640. Or call (714) 530-0225 weekdays; (714) 531-3510 evenings, weekends.

July 7 to 9. Powwow at Camp Pollock, Sacramento (Northgate exit off State 160). First Annual Black Wolf Society, Gourd Clan, sponsors gourd and contest dancing. Telephone Don Crow weekdays (209) 858-2422; evenings (209) 951-0482.

September 22 to 24 (tentative). Traditional California Indian dances at Cal Expo, Sacramento. Also Plains gourd dances, contests, handgames, and more. For schedule write to John W. Johnson, California Indian Days, Cal Expo, Box 15649, Sacramento 95813; (916) 641-2311.

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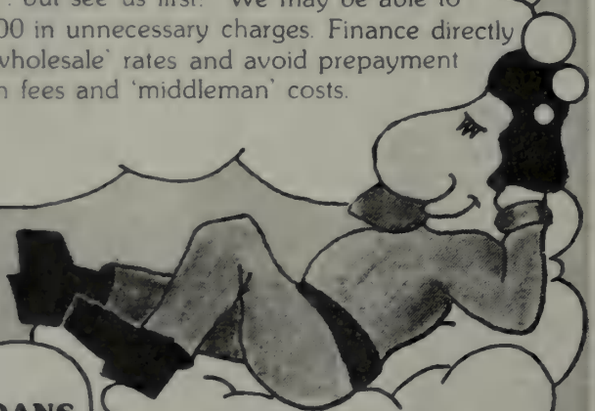

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Additional offices throughout the Bay Area.

Colorado. *May 26 to 28.* Southern Ute Bear Dance and powwow in Ignacio; Jim Jefferson, Southern Ute Tribe, Box 737, Ignacio 81137; (303) 563-4525.

July 14 to 16. White Buffalo Council powwow at Daniels Park south of Littleton. David Lee, (303) 573-0711.

July 21 to 23. Denver Native Americans United annual powwow at S. Carr St. and W. Hampden Ave. (tentative). Denver Indian Center, 1525 Josephine, Denver 80206; (303) 399-6452.

September 15 to 17. Southern Ute Fair and Rodeo, Ignacio. Horse racing, daily parade, dancing. Jim Jefferson (see address above).

Idaho. *August 10 to 13.* Shoshone Bannock Indian Festival, Fort Hall. Parade Saturday, 10 A.M., handgames afternoons. Lionel Boyer, Tribal Office, Box 306, Fort Hall 83203; (208) 237-0405.

Montana. *May 12, 13.* Montana State University powwow, Bozeman. Buffalo barbecue, panel discussion Saturday. George Horsecapture, Center for Native American Studies, MSU, Bozeman 59717; (406) 994-3881.

June 29 to July 5. 80th annual Flathead powwow, Arlee. Traditional dances, handgames daily. Doug Allard's Trading Post, Box 464, St. Ignatius 59865; (406) 745-2951.

June 30 to July 4. Powwow five miles south of Lame Deer in powwow grounds. Handgames. Tuesday morning parade. Northern Cheyenne Tribal Office, Allen Rowland, Box 128, Lame Deer 59403; (406) 477-6215.

July 13 to 16. North American Indian Days, Blackfeet powwow, Browning. Dancing, handgames, Saturday noon parade, rodeo. Museum of the Plains Indians, Box 400, Browning 59417; (406) 338-2230.

July 28 to 30. Fort Belknap powwow. Camp Crier, Fort Belknap, Box 8, Harlem 59526; (406) 353-2205, ext. 210 or 224.

August 3 to 6. Rocky Boys Powwow in Box Elder. Leo Brockie, Jr., Rocky Boys Route, Box Elder 59521; (406) 395-4476, or 395-4720.

August 17 to 21. Crow Fair, the largest western powwow at Crow Agency. Evening dancing, parades at 10 A.M. (biggest is Sunday), daily rodeos, horse racing. "Dance Around the Camps" Monday with a big giveaway. Reservation Programs, Crow BIA, Crow Agency 59022; (406) 638-2671, ext. 62.

Nevada. *June 23 to 25.* Washoe County Fairgrounds (part of Reno's RCA Rodeo). Dancing, handgames. (702) 786-1262.

July 3 and 4 (tentative). Shoshone-Paiute Rodeo, powwow in Owyhee. Call tribal office (702) 757-3161 or 785-4306.

New Mexico. *May 13,* at Santa Fe's Institute of American Indian Art. Evalu Ware Russell, (505) 988-6270 weekdays.

June 9 to 11. Albuquerque at Indian School field, Menaul and 12th Street N.W. Bill Sunrise (505) 883-9094 after 5 or Ralph Zotigh, 294-7313 after 3.

Early June. Mescalero powwow at rodeo grounds. Dancing, cross-country marathon golf competition. Write to Freddie Kaydahzinne, Mescalero Apaches, Box 176, Mescalero 88340; (505) 671-4495.

July 14 to 16. Apache powwow, high school grounds, Dulce. Rodeo Friday 7:30, 1:30 Saturday and Sunday. Parade at 10 Saturday. Carolina Salazar, Jicarilla Apache Tribe, Box 507, Dulce 87528; (505) 759-3242, ext. 251.

August 10 to 13. Gallup Indian Intertribal

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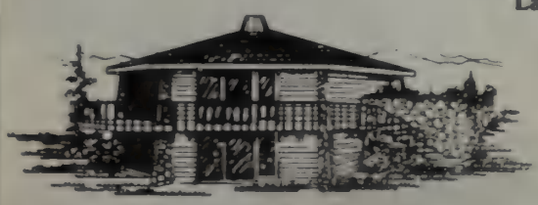

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Oregon. *May 5 to 7.* University of Oregon powwow at Alton Baker Park (Roosevelt School if it rains), Eugene. Call Roger Amerman (503) 686-3723.

June 9 to 11. Rose Festival Intertribal powwow at Delta Park, Portland. Call Bernard Whitehat (503) 286-9579 evenings or 248-5600 daytime.

June 23 to 25. Pi-Ump-Sha powwow, Warm Springs. Write Nathan Jim, Cultural Heritage, Confederated Tribes, Warm Springs 97761; (505) 553-1161 or -1604.

September 13 to 16. Indian activities at Roundup, Pendleton. For schedule write Roundup Association, Box 609, Pendleton 97801; (503) 276-2553.

Utah. *June 9 and 10.* Powwow at Utah Native American Consortium, 120 W. 1300 S., Salt Lake City. Giveaway Saturday 1 P.M. John Huskett, Box 130, Brigham City 84302; NITC office, (801) 723-3067 or home 723-2564.

July 1 to 4. Rodeo and powwow, Fort Duchesne rodeo grounds. Dancing, handgames, morning rodeos. Parade Saturday 10 A.M. Write Public Relations, Box 190, Fort Duchesne 84026; (801) 722-5141, ext. 31.

Washington. *May 27,* Seattle Center arena, noon to 11 (part of Folk Life Festival). Lorrelle Neligan, (206) 285-4425, ext. 208.

June 8 to 11. Memorial and Tiinowit powwow 2½ miles south of White Swan. Memorial dance and giveaway Thursday; dancing evenings (maybe afternoon too), dancers from 70 tribes. Rodeo, horseraces in town Friday 7 P.M.; Saturday and Sunday 1 P.M. Handgames. Patricia Ike, 1019 Washington Ave., Toppenish 98948; (509) 865-2812; or Hazel Miller, 877-3471.

July 3 to 9. White Swan Encampment. Parades, handgames, dancing. John Meninick or Watson Totus, Box 632, Toppenish, 98948; (509) 865-5121.

July 6 to 9 (tentative). Nespelem powwow. Write to Soy Redthunder, Colville Confederated Tribes, Box 150, Colville 99114; (509) 634-4591 ext. 277.

September 1 to 4. Wellpinit powwow, Spokane Tribal fairgrounds. Dance handgames daily. Spokane Tribal Office, Box 387, Wellpinit 99040; (509) 258-4581.

September 22 to 24 (tentative). White Swan. Evening dance contests, handgames. John Meninick (see above).

Wyoming. *June 23 to 27.* Eastern Shoshone Powwow and Stampede in powwow grounds, Fort Washakie. Rodeo about 1 P.M. Parade will probably be on 27th, 10 A.M. Valerie Engavo, Box 217, Fort Washakie, 82514; (307) 255-8261, or 8262.

July 20 to 23. Arapahoe powwow, Ethete. Dance contests evenings (main one Sunday). Memorial feast Saturday. Parade Sunday 10 A.M. Possibly a rodeo. Alfred Redman, Box 728, Ethete 82502; (307) 332-3076 between 5 and 7.

July 28 to 30. 25th All American Indian Days and National Miss Indian Pageant, Sheridan. Dances nightly at fairgrounds; parade Saturday 10 A.M., pageant finals Sunday evening. Write to All Indian Days, Box 451, Sheridan 82801; (307) 674-9735.

Canada

July 7 to 16. Calgary Stampede including Indian village; dancing 9 P.M. Write to Calgary Stampede, Box 1060, Calgary, Alberta; (403) 261-0101. □

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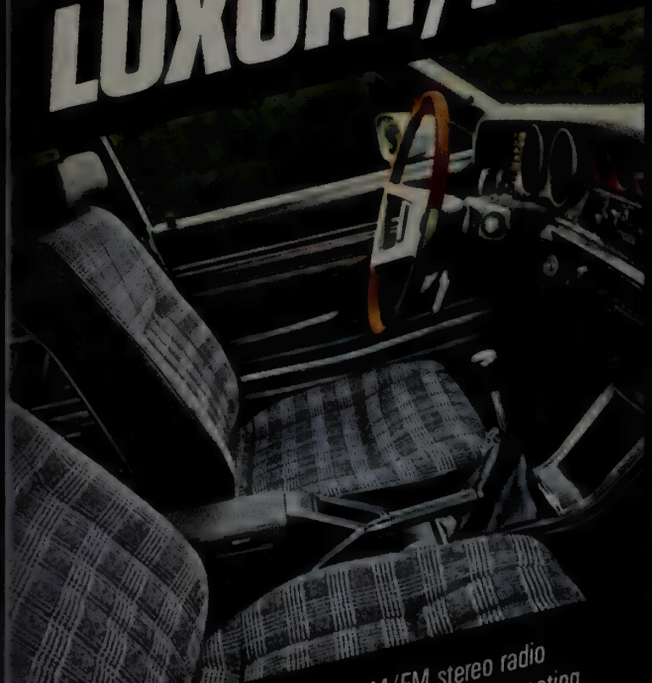

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To Car and Driver, "it's the next best thing to a BMW 530i this side of $10,000."

In true Grand Touring tradition, the 810's list of luxury appointments is extensive ... impressive ... and all standard. You can, of course, have a 3-speed automatic transmission and air conditioning if you wish.

Examine the 810 sedan or wagon closely. Quality has not been sacrificed for performance and luxury. You'll find that both the fit and the finish of the 810 meet the most exacting standards in the automotive field: Datsun's.

Anyone could build a car like this for $12,000. It took Datsun to build it for half the price.

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STEVE W. MARLEY

Navajo hand loom *(above) is operated alongside Swedish counterbalance loom (left) at Pacific Basin Textile Arts school in Berkeley*

GREGG MANCUSO

Silk screen printing *and decoration on cloth is the emphasis of San Francisco School of Fabric Arts*

Fabric arts . . . where you can see and/or study in the San Francisco Bay Area

At Fiberworks *gallery in Berkeley, you can often meet the artist amongst her works—such as textilian Marcia Floor (right)*

BILL ROSS

The scene of growing interest in textile arts since the 1940s, when UC Berkeley became the first university to offer a master of arts degree in weaving, the Bay Area now boasts three schools devoted to fabric art.

This month fabric artists from all over the world are gathering for a symposium on textile arts at one of the schools (Berkeley's Fiberworks), and the conference has generated many ways for you to see this exciting art form.

It's a form that may use cellophane, paper, sisal, or more traditional wool; the work may be woven on a loom or without, knotted, knitted, or crocheted. The three Bay Area schools offer classes in these techniques; each also has a gallery where you can view or buy textiles.

The schools . . . two with summer classes

Fiberworks Center for the Textile Arts, 1940 Bonita Avenue, Berkeley; (415) 548-6030. Sponsor of the textile symposium, Fiberworks will display the symposium artists' works in its gallery. The 10-week summer classes start June 19 on subjects such as batik, weaving, and ethnic costumes. Write or call for a course and workshop schedule. Gallery show: "Point of Contact," May 8 through June 17; 31 artists working in weaving, feltmaking, papermaking. Hours: Monday through Saturday 10 to 3.

Pacific Basin Textile Arts, 1659 San Pablo Avenue, Berkeley; (415) 526-9836. This 5-year-old school specializes in loom weaving as well as silk screen fabric printing, spinning, dyeing, and photo silk screen. Two-week summer classes begin June 5; 10-week classes resume in fall. Workshops this month: Feltmaking I and II on May 6 and 13 and advanced spinning May 27. Sessions cost $17, run from 10 to 4. You need to sign up one week ahead and include $10 deposit per workshop. Gallery show: sixth annual student art show through June 2, some works for sale. Hours: Wednesday through Friday 1 to 4, Saturday 11 to 5.

San Francisco School of Fabric Arts 417 14th Street, San Francisco; (415) 431-2772. Newest of the Bay Area fabric art schools (opened last September) it focuses on appliqué, embroidery, and

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silk screen. Classes begin in fall. Gallery show: Mexican costume art now through September, with 70 pieces from lower Mexico. Hours: Tuesday through Saturday 2 to 5.

And in Bay Area galleries . . .

Allrich Gallery, Two Embarcadero Center, San Francisco; (415) 398-8896. Contemporary tapestries by Lia Cook, one of the Bay Area's best known textilians, May 12 through June 9. Hours: Monday through Friday 11 to 5, Saturday 12 to 5.

California Academy of Sciences, Golden Gate Park, San Francisco; (415) 221-5100. Peruvian textiles and costumes, plus materials and tools used in weaving, May 15 to October 31; admission 50 cents adults, 25 cents children under 17. Hours: 10 to 5 daily.

Design Research, One Embarcadero Center, San Francisco; (415) 788-4000. A Marimekko retrospective: 25 years of the Finnish silk screen firm's work on display, plus daily demonstrations of silk screening (12 to 2). Hours: Monday through Saturday 10 to 6.

Embarcadero Center, Clay and Battery streets, San Francisco. In the malls, four monumental works—including the newest Barbara Shawcroft fiber sculpture, *Yellow Legs*, in Building 3.

San Jose Museum of Art, 110 S. Market Street, San Jose; (408) 294-2787. Textiles from the Pacific: some 70 works in basketry, costumery, and weaving. Hours: Tuesday through Saturday 10 to 4:30, Sunday 12 to 4. □

Yellow Legs *is largest of Embarcadero Center's four textile works; it's 36 feet high, weighs 5,500 pounds*

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WESTERN INTERNATIONAL HOTELS

DAVID STUBBS

From rotunda, *guide points out granite carvings in San Francisco's city hall*

Free history walks in San Francisco

An inside look at San Francisco's ornate French Renaissance city hall and civic center or a tour through a collection of antique city firefighting equipment—you have your choice on a new free walking tour program highlighting San Francisco history. The program begins this month and will continue indefinitely.

It's called the city guides program and is sponsored by the library's history room. Citizen volunteers trained in local art, architecture, and history are your guides on the hour-long tours.

The city hall - civic center tour begins in the third-floor San Francisco History Room of the main library (200 Larkin Street) and is given Thursday at noon and Saturday at 10 A.M. On Thursdays you'll walk through the city supervisors' chambers, the mayor's outer office, and perhaps into a courtroom. On Saturdays you'll tour the outer civic center.

The other tour takes you into the city fire department museum at Presidio Avenue near Bush and Pine streets; it's given Thursday through Sunday at 2 and 3 P.M. A gleaming LaFrance steam engine from 1897, a 1913 motorized chemical engine, and an 1816 New England maple hand pumper are all on display, plus memorabilia from past fire chiefs, heroic firemen, and the early firemen's friend, Mrs. Lillie Hitchcock Coit.

No reservations are required. For information, call (415) 558-3949 Tuesday through Saturday, 9 to 6; ask for Judith Waldhorn.

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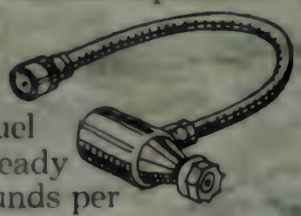

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MICHAEL SPECTOR

Heel *is worn down, but tread is still good. Shoe can be repaired*

How to deal with down-at-the-heel athletic shoes

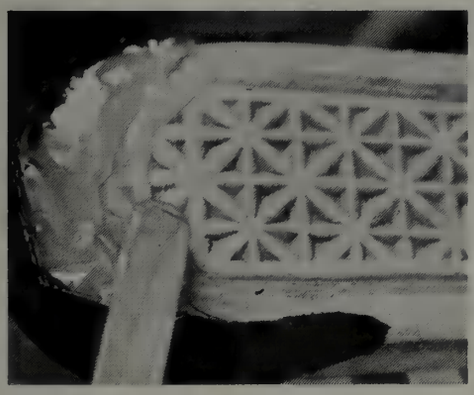
unners, sailors, tennis players, skate-arders, and anyone else who wears eaker-type shoes have one common oblem: As rubber or polyurethane les wear, heels and toes usually go st while the tread is still good.

wear is minimal, you can repair and olong the life of shoes yourself. Sev-al brands of a petroleum-base patch-g material are now available where orting goods are sold.

l patches are applied essentially in the me way. Nonetheless, read labels care-lly for specific directions. Clean worn eas and rough slightly with sandpaper. hen create a form or dike around the orn spots with stiff tape (such as ch-wide masking tape), if directions dicate the size of patch requires this ntrol. Fill in the depression with repair ste, then smooth the surface evenly. t patch dry overnight. Peel off tape d the shoe is ready to wear.

he patch is reputed to wear as well as e original sole, and an area can be re-tched as often as needed. Tubes of eaker repair come in 3½ to 4½-ounce es for $2.50 to $4, and contain ough patch paste to coat the soles of ree pairs of sneakers. □

1 • **Masking tape,** *its bottom edge flush with sole, makes form for paste*



2 • **Fill in** *worn area with repair paste and spread smooth*

3 • **Built-up** *heel is ready for use as soon as the patch dries*

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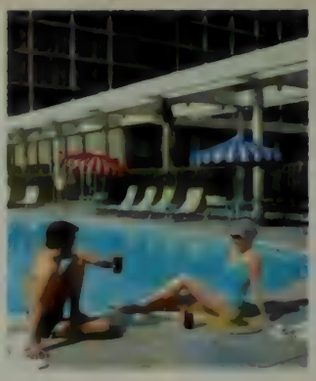

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SUSAN BIDDLE

Stylish downtown mall, *dedicated just last August, is one stop on route of free bus in Boulder*

Free shuttle bus in Boulder

Heavy downtown traffic is one incentiv to get around by bus in a city as compac as Boulder, Colorado. But now there' something else to make the bus there a attractive consideration: a free shuttl that stops at four points downtow (where parking can be difficult).

Operated by the Regional Transporta tion District that also serves Denver, th "Free B" shuttle began last summer a a one-way route and has become in creasingly popular. This spring the RTI has added buses to give the route two way service. Here are the stops:

Downtown (Pearl Street) Mall, Pearl and 15th streets: a shopping area with newly restored brick-front buildings from the 1880s as well as fountains, outdoor cafes.

Crossroads shopping center, Arapahoe Avenue and 28th Street: a modern enclosed complex with over 100 shops.

University Hill, Broadway and College Avenue: a district of small bookstores, coffee houses, shops, and the University of Colorado campus.

Justice center, Canyon Boulevard and Sixth Street: complex of main city and county buildings, with the city park greensward down the street at Canyon and Ninth.

The Free B runs every 30 minutes fror 8 to 4, daily except Sunday; maps c other RTD bus routes are available o board. For details, call (303) 443-6500.

We're still making history in Georgia.

In Georgia, you can see history in progress at the most famous hometown in America, then go back to the Civil War at nearby museums. All in a day. But don't. Rushing through Georgia is squeezing centuries into hours.

Our heritage goes way back. A lot happened here before the city of Savannah was founded and Georgia became an Original Colony. The events that followed are preserved beautifully, and you can see our history in any part of the state on any day.

Take in an outdoor drama. Visit an antebellum home. Our colorful vacation guide will tell you where to find them. Send for your free copy today. And when you reach Georgia, be sure to stop at a Visitor Center for the latest information and directions. We'll help you enjoy your trip into time.

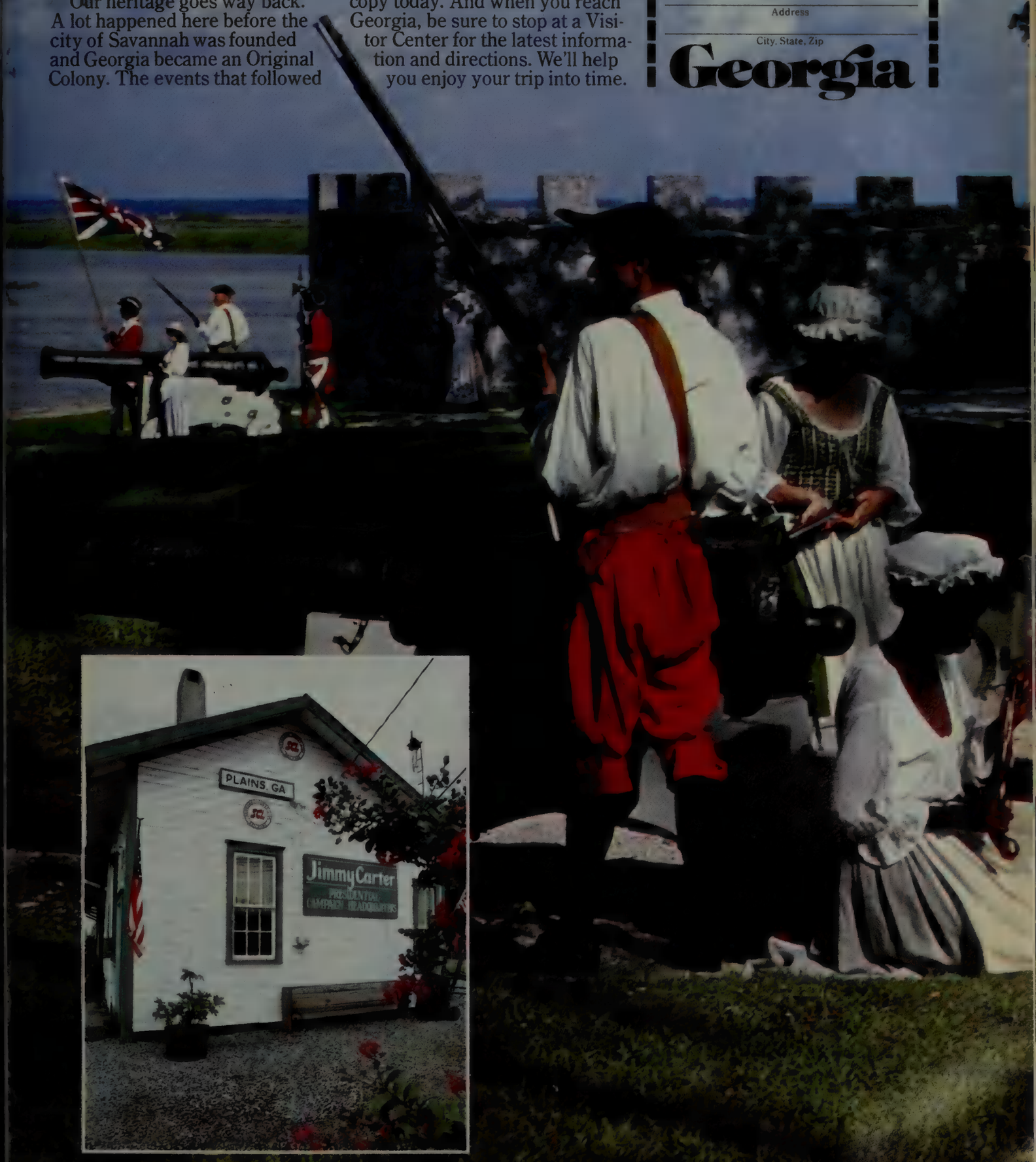
Georgia Department of Industry & Trade
Tourist Division
P.O. Box 1776, Dept. SU-81
Atlanta, Georgia 30301
Please send me your free vacation guide to historic Georgia.

Name

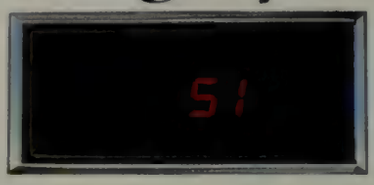
Address

City, State, Zip

Georgia



What's my average speed for the trip?



How many miles before I need gas?

How long have I been on the road?

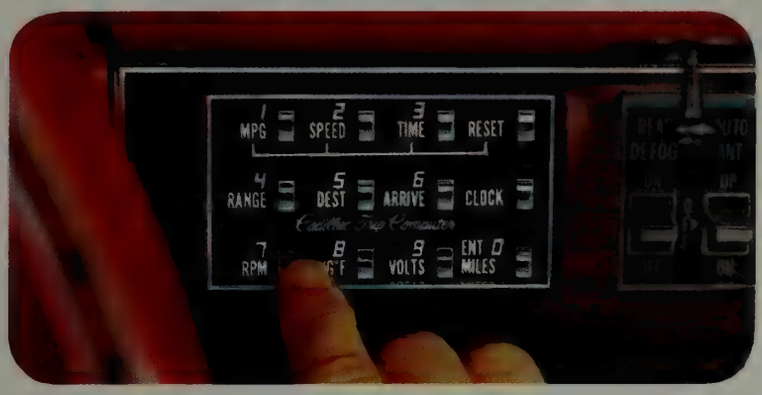
What are my rpm's?

How many miles to my destination?

What time will I arrive?

Cadillac's new Trip Computer for Seville answers all these questions and more...

with the touch of a button.



Automotive history is made.

Cadillac announces the first computerized, multi-function information system for a production automobile. Trip Computer, available for Seville. This Cadillac innovation reports directly to you by means of a digital display in the instrument panel. Seville with Trip Computer is also first with digital display for the speedometer and fuel gauge.

At your command.

You operate the Trip Computer keyboard much the same way you operate a calculator. Before starting a trip, you program the system for the number of miles you're traveling. Then, as you drive, press any function button and Trip Computer will instantly answer your question.

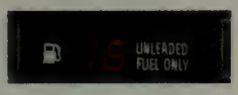
Digital Display Speedometer

Peace of mind.

Trip Computer for Seville can help make you a more confident driver by providing you with useful information. Example: The estimated time of arrival function is of great benefit when you're on a busy schedule or a long trip. It can also show you how your personal driving habits affect your gas mileage by displaying your average trip mileage and instantaneous gas mileage.

Function follows function.

The interrelated network of Trip Computer functions also includes your average trip speed. Distance remaining to your destination. Amount of time you've been driving. How many miles your Seville can travel before refueling–based on average trip mileage and gallons left. And more.



Digital Display Fuel Gauge

It says a lot about Cadillac innovation.

The same engineering leadership went into the creation of Seville's exclusive 5.7 Litre electronic-fuel-injected engine. Utilizing electronic spark selection, it is designed for fast starting, quick response and smooth engine idle.

The only way.

To really appreciate Cadillac's Trip Computer... and Seville...you must experience them for yourself. See your Cadillac dealer.

Seville
BY CADILLAC

Squad Car, SanAntonio Style.

It's a style you'll grow to love. Quickly.

Park rangers in motor boats instead of motorcars. Natives and tourists alike commuting in river barges instead of buses. Dining on Carne Asada instead of hamburgers. All this and much, much more just a flight beneath the busy streets.

It's the Paseo del Rio.

A beautiful jade green river running through the heart of downtown San Antonio. Its banks lined with boutiques, outdoor cafes, restaurants and discotheques. The walkways and waterways filled with sounds of families and couples enjoying the fun and flavor of an unbelievable storybook world. At unbelievably low prices.

Back up in the real world, just a block from the Paseo, you'll find El Alamo. Where the kids can go into yet another world. Listening to the rattle of musketry and the crash of artillery, as they stare into the pock-marked face of this monument to man's eternal quest for liberty.

But the Alamo is more than that. It and its four sister missions, they're all monuments to the colonial Spanish culture that gave them their style. A culture that gave us everything from the rough 'n tumble of rodeo to the delicate, intricacy of the Churiequeresque lures on these missions.

The missions, the Paseo del Rio, the parks, the fiestas. They're all part of a style you'll find nowhere else but San Antonio. So come. Do it up in style.

San Antonio style.

Do it up San Antonio style.

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SUN 5-78

Four new wine paperbacks

Good reading for Westerners with more than a casual interest in wine is provided by four paperback books published within the last year. Their scope ranges from a listing of wineries in certain areas of California to a discussion of the entire winemaking process and the major wine-producing regions of the world.

All about wine

Encyclopedic is the word for *Wine, An Introduction,* by Maynard A. Amerine and Vernon L. Singleton of the UC Davis Department of Viticulture and Enology (University of California Press, Berkeley 94720; new edition 1977, $5.95). Comprehensive yet concise, it covers the wines of the world.

This 357-page revision is 16 pages longer than the 1965 edition, with changes throughout to account for new developments in the production, marketing, and popularity of wine. Example: Between 1965 and 1975, U.S. consumption of dessert wine declined from 83 million to 67 million gallons while table wine consumption increased from 74 to 214 million gallons.

After describing the whole winemaking process from planting the vine to filling the bottle, the book devotes individual chapters to wines of California and the Eastern United States and Canada, and four chapters to the wines of the rest of the world.

Wine tour guides

Three books issued since last summer cover all the major premium table wine producing areas in California: *Napa Valley Wine Tour, Sonoma & Mendocino Wine Tour,* and *Central Coast Wine Tour* (covering nine counties from Contra Costa to Santa Barbara). Together, they introduce you to 193 wineries. The books, at $5.95 each, are published by Vintage Image, Box 3286, St. Helena, Calif. 94558.

The Central Coast book is slightly larger than the other two because it covers such a spread-out territory.

All three follow the same format: Two or three authors collaborated on each book and all illustrations are by Sebastian Titus. Each leading winery is given one or two pages of text plus a full-page drawing. "Other wineries" (quite new or deliberately maintaining a low profile) get a paragraph or two each. Detailed maps help you plot your course and directories advise where to go nearby for food, lodging, and picnic supplies.

Someone told her you may put off coming to the Orient for another year.

"Maybe next year we'll go to the ient." How many years has it been ce you first said that?

And every year since, it's been e same old story. Next year, never is year.

Kyoto's Golden Pavilion will still there next year, of course. Hong ng's harbor will still swarm with mpans and the sun will still rise over ngkok's gilded temples.

But there's an old Japanese proverb which says, "Time flies like an arrow." Another suggests, "The day you decide to do a thing is the best day to do it."

This year, before you decide to wait until next year, ask your travel agent about JAL's Happi Holidays tours or send us this coupon.

For every good reason you have to wait till next year, we'll offer a thousand glorious reasons to board the next plane.

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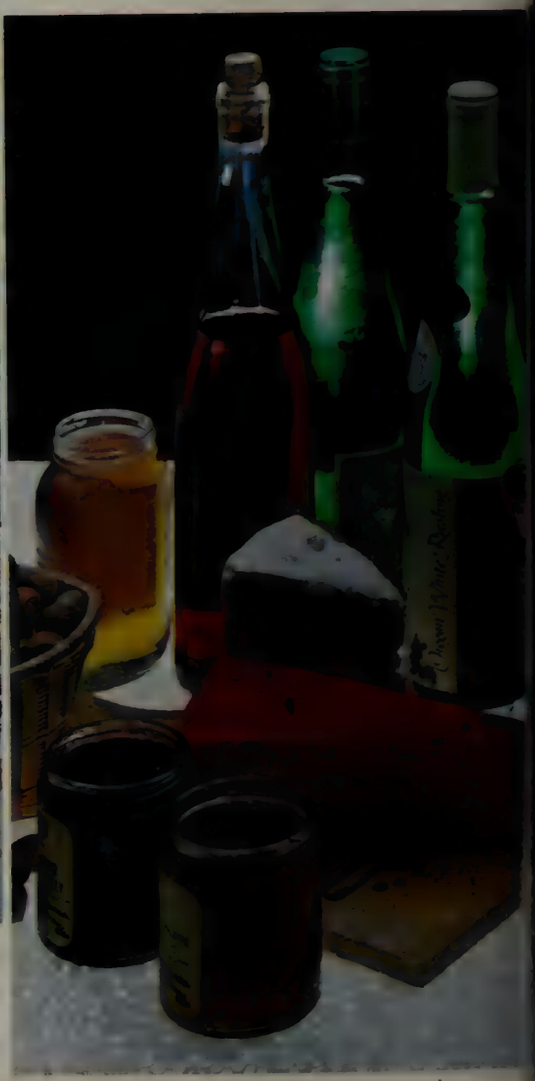
Come discover one of restaurants

Portland's cosmopolitan streets offer quick dining delights

Central and Eastern Oregon resorts and communities specialize in open-air western cooking

The North Pacific and its beautiful bays along Oregon's coast produce a wealth of seafood delicacies

Colorful community festivals offer ethnic foods



Filberts, fruits, berries, honey, cheeses and the products from these native Oregon foodstuffs have earned fame around the world

America's greatest Oregon.

One of the nicest things about vacationing in Oregon is that, wherever you go, you're never far from something good to eat.
On the Oregon coast, for example, you'll discover four hundred miles of restaurants that serve some of the finest seafood in the world. And deluxe accommodations, complete with kitchens, where you can even prepare it yourself. Pacific salmon fresh from the ocean. Delectable clams, oysters and mussels. Crab and cold water shrimp.
In central and eastern Oregon, you can get mighty hungry after an active day at one of our guest ranch resorts. So be prepared for hearty Western fare. Like open-pit barbecued beef, mountains of buttered whipped potatoes, pan biscuits, and thick apple pie. Seconds anyone?
When it comes to native foodstuffs, no other state in the nation can match Oregon's combination of variety, quantity, and quality. Fine aged cheddar cheese from Tillamook and Bandon, and a magnificent bleu from Rogue River area. World-renowned fresh fruit, including jumbo, juicy apples from the Hood River Valley, and rare Comice and D'Anjou pears from Medford. Popular Oregon filberts, considered a gourmet delicacy around the globe, that cost as much as $7.50 a pound in New York City, and as little as 79¢ a pound here. And, if you haven't discovered Oregon wines, now's the time to find that they match the top echelon of California offerings, with estate bottled varietals from the sylvan slopes of Douglas, Yamhill and Washington counties. Limited production has kept these wines little known outside our borders. They'll be a valuable import back home!
Do you like picnics? If you happen to be in Portland, you can order from the colorful street vendors on the city's new brick-paved, tree-shaded transit mall.
And when you're ready for a taste of faraway places, you'll find a tempting variety of restaurants where you can dine on French haute cuisine, exotic dishes from the Orient, marvelous Mediterranean specialties, and more. Or you can drop in on one of our many European-style festivals. Try the Basque lamb in southeastern Oregon, a Scandinavian smorgasbord in the Willamette Valley, or the delicious Dutch sausage with sauerkraut in Verboort.
Now, we're not suggesting that you come to Oregon just for the food. Come to Oregon for its fun. For its beauty. For its hospitable people.
Just remember to bring a big appetite with you.

Visit TRAVEL INFOCENTRES at Oregon highway rest stops for facilities information

Oregon's picturesque vineyards produce wines of growing fame and provide ideal picnic spots

Oregon. One big surprise after another.

Send me your free *Oregon Surprise Package,* and more information about:
☐ festivals ☐ sports ☐ beaches ☐ white water trips ☐ guest ranches ☐ other: _____

Name _____

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Travel Information Section, Room 7218
State Highway Division, Salem, Oregon 97310

Down near the Snake River *is the ranch where they started their half-day ride. Higher up on ridge, with the Tetons still in view, youngster gets a boost from wrangler with same haberdasher*

Ranch holiday in or near Grand Teton. You should plan to reserve early

A quick lesson, *then she'll fly-cast for cutthroat at Moose Head Ranch stream*

Lunch *is family style at Triangle X. This and Moose Head are within park*

Nearby and even right within Grand Teton National Park, a remarkable number of places offer the pleasures of a dude ranch vacation—along with some special pleasures of the area. With the majestic Tetons as backdrop, you can ride horseback, watch wildlife, hike, eat hearty, fish for native cutthroat trout, raft on the Snake River, or join the dudes and real cowboys at the Saturday rodeo in Jackson, Wyoming.

Altogether, there are more than 20 dude or guest ranches in the Jackson Hole area, which also offers ready access to Yellowstone. Most of them prefer guests to stay a week or longer; but when not full, some will take guests for as short a time as one night.

Write or call soon. Try to reserve well ahead, as the season is short—mid-June to early September. July and August, the most popular times, generally have sunny days and cool nights (elevation is nearly 7,000 feet). June is much quieter, but days can be cool and afternoons showery. September is also quiet until hunting season begins.

You can get a descriptive list of dude ranches from the Jackson Hole Chamber of Commerce, Box E, Jackson, Wyo. 83001; (307) 733-3316. Also helpful is the leaflet *Dude Ranches, Lodges, and Resorts,* published by the Wyoming Travel Commission, Travel Center, Cheyenne 82002; (307) 777-7777. Ask for brochures too.

Take your choice. Read the literature carefully: Ranches offer a wide range of activities, comforts, prices.

Only a few are actual working ranches, although most put on a convincing appearance. You may sleep in a rustic log cabin or a modern lodge, and you'll probably eat family-style meals with other guests in a dining hall. Some ranches schedule earlier meals for children, and some also offer special rides, programs, and crafts for children.

Rates range from about $28 per day per person for a cabin with a shared bath up to about $45 or more per person for a cabin with living room and fireplace. Cost for children is generally 20 percent less. The price includes most activities and all meals; most ranches add a gratuity of 10 to 15 percent.

Horseback riding is the main activity, of course, and it's open to all levels of experience. The first day you may begin with a half-day ride, then after you're in shape you can move up to an all-day outing, perhaps to a trout lake. Generally, one or two young wranglers take you out with just your family or in a large group. Better riders can sometimes go out on their own.

Some ranches leave the choice of activities up to the guests. Others offer a tighter schedule: steak ride on Tuesday, breakfast ride on Wednesday, square dancing Thursday evening, gymkhana on Saturday. A few ranches have swimming pools (one has a swimming pond); at least one has a tennis court.

Floating down the Snake. A half-day or longer float trip is offered or can be arranged at most ranches. The river is broad and fairly gentle as it winds through the valley, offering views of the Tetons and wildlife such as moose, elk, and eagles. A raft fee may be included in your weekly rate, or you may be charged extra.

Most ranches will pick up guests at the airport in Jackson. It's served by flights from Billings, Denver, Idaho Falls, and Salt Lake City. □

come alive... getaway to Costa Rica friendly by nature!

Break the routine with a really different vacation, enjoy the easygoing life and relaxing nature of Costa Rica.

Here you can have a beach all by yourself, or enjoy the lush greenery of the countryside or sit by a cool mountain stream.

You'll relax in a luxury hotel, enjoying the best food and service. For recreation, take your pick. Fish, go boating, water skiing, play tennis, enjoy the challenge of beautiful golf courses or shop for leather and woodcrafts. Want something out of the ordinary? Take a ride in a colorful jungle train.

In every corner of Costa Rica you'll find helpful friends eager to share their way of life with you.

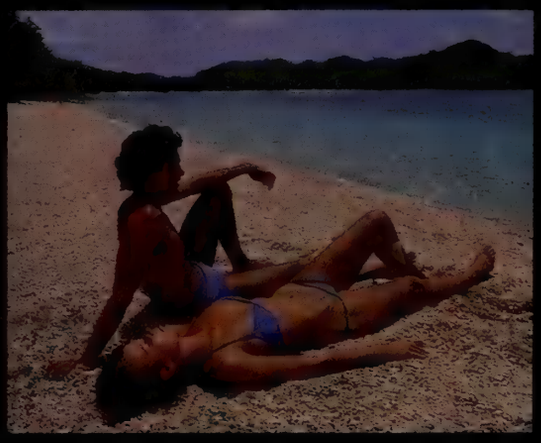
Come to Costa Rica for a beautiful and inexpensive vacation. It's closer than you think.

For additional information cut out and send the coupon below, see your travel agent or contact the following airlines: LACSA, PANAM, SAHSA, COPA, or TACA.

Tours to Costa Rica are now as low as $236

For 4 days, 3 nights. . .air fare, first class hotel, transfers and sightseeing included.

*Price shown is available with one of the airlines that services Costa Rica and subject to change without notice. It is based on Miami departure, double occupancy and Group 10 fare. U.S. Government transportation tax included.



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Historic Mexico City. And Guadalajara, home of the Mexican artisans.

Mazatlan, lure to deep-sea fishing enthusiasts from around the world.

And Acapulco. For the luxurious privacy of Las Brisas. Where rooms are a village of pink and white casitas each with its own private pool. Elevators are jeeps. Roads are hallways. And there's absolutely no tipping allowed.

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*Prices quoted are per person, double occupancy, April 16, 1978—December 18, 1978, based on an exchange rate of 22 pesos to the dollar and are subject to change without notice. Room, food and beverage taxes not included. Children 18 and under free when sharing parents' room (room only). Other lengths of stay available on request.

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Some of the best deep-sea fishing in the world. Mile after mile of white, sandy beaches. Beautiful sunshine.

CAMINO REAL

3 days, 2 nights, $48*

A resort hotel on rugged Punta del Sabalo. Where you can swim in ocean or pool. Water ski. Scuba dive. Snorkel. Deep-sea fish. Ride horseback.

Price includes welcome cocktail. Daily American breakfast. Half-day city tour. One night's cover at Puppet Discotheque. Tennis.

MEXICO CITY

The romance of the mariachis. The Ballet Folklorico. Majestic cathedrals. Mexico City, heartbeat of a great nation.

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3 days, 2 nights, $45*

The "musical hotel" in the heart of Mexico City. Folkloric entertainment. Five restaurants, lounges. Rooftop pool.

Price includes tequila cocktail, cover at La Diligencia nightclub. Dinner with wine at Camichin rooftop restaurant. Half-day city tour, map. English newspaper.

WESTERN INTERNATIONAL HOTELS

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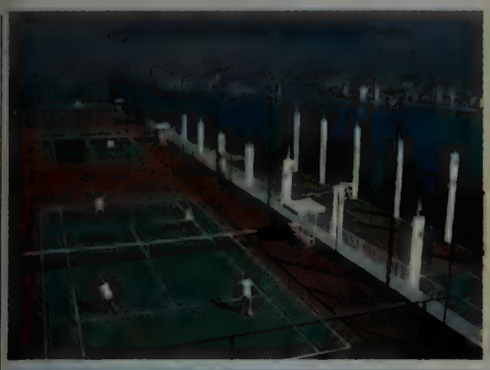

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City of romance, nightlife, excitement. Undisputed playground of the Americas. Acapulco—there is no other!

LAS BRISAS

3 days, 2 nights, $81*

Overlooking famous Acapulco Bay. A village of pink casitas, each with its own pool and fully-stocked bar.

Price includes casita with shared pool. Welcome drink. Continental breakfast, flowers, fruit in room daily. Jeep with unlimited mileage, gas, insurance. Use of La Concha private beach club. Tips.

CANCUN

Where seas are unbelievably blue. Beaches, white coral sand. Trade winds, gentle. At the tip of an island off the Yucatan Peninsula.

CAMINO REAL

3 days, 2 nights, $66*

Right on the beach, each room with its own private lanai and hammock. Saltwater lagoon. Tennis. Pool with swim-up bar. Water sports galore. Golf, ruins of Tulum nearby.

Price includes welcome cocktail. Daily American breakfast. Glass-bottom boat ride. One night's cover at La Burbuja.

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WESTERN INTERNATIONAL HOTELS

Architectural discovery in Barcelona . . . the wizard-work of Gaudí

Sinister collection *of sculptured chimney pots and windows like hooded eyes can be seen from top floor of Casa Milá*

DON NORMARK

Lofty interior *of Palacio Güell is a peaceful retreat from street noise and a treasure trove of rich Gaudí detailing*

Wizard-architect Antoni Gaudí lived in Barcelona, capital of the Catalan region of Spain, from 1890 to 1926. More than 50 years after his death, two unrelated developments are focusing attention on him: a post-Franco surfacing of pride in Catalonia and a worldwide interest in using natural forms in architecture.

Gaudí used the Mediterranean world as a source for ideas: Instead of shapes based on 90° angles, he designed pillars inspired by Karnak, adapted caves found in Crete, and re-created colors used on Etruscan walls.

Introduction to the master

On a visit to Barcelona, you can see much of Gaudí's work on foot and by public transit. Here we describe two tours that can take a few hours or be stretched to fill a day. Both start at the massive Corte Inglés department store at Plaza de Cataluña.

From Corte Inglés, walk north across Ronda San Pedro and turn right on Calle de Caspe for three blocks. Look high to see the house numbers: No. 48 is **Casa Calvet** (1898-1904), a conservative example of Gaudí's early work. Take the jewel box of an elevator to the fifth floor of this apartment building. The railing that takes you downstairs from the skylights to the gloomy lobby is sculpture beneath your hand.

Walk back to the Corte Inglés and take the No. 24 bus up Paseo de Gracia to Calle de Aragón. Across the paseo from the bus stop is No. 43, **Casa Batlló** (1905-07), its roof humped like a scaly dragon's back. You can take the cozy elevator to the top floor and walk back down to the lobby. Go slowly—there is much to see. Notice the doorknobs molded to fit into the palm of your hand.

Continue up Paseo de Gracia for three blocks—take time to enjoy the Gaudí-designed tiles on which you tread—and look across the half-block-long street to **Casa Milá** (known as *La Pedrera* or stone quarry; 1905-10). It's an astounding building not immediately pleasing to

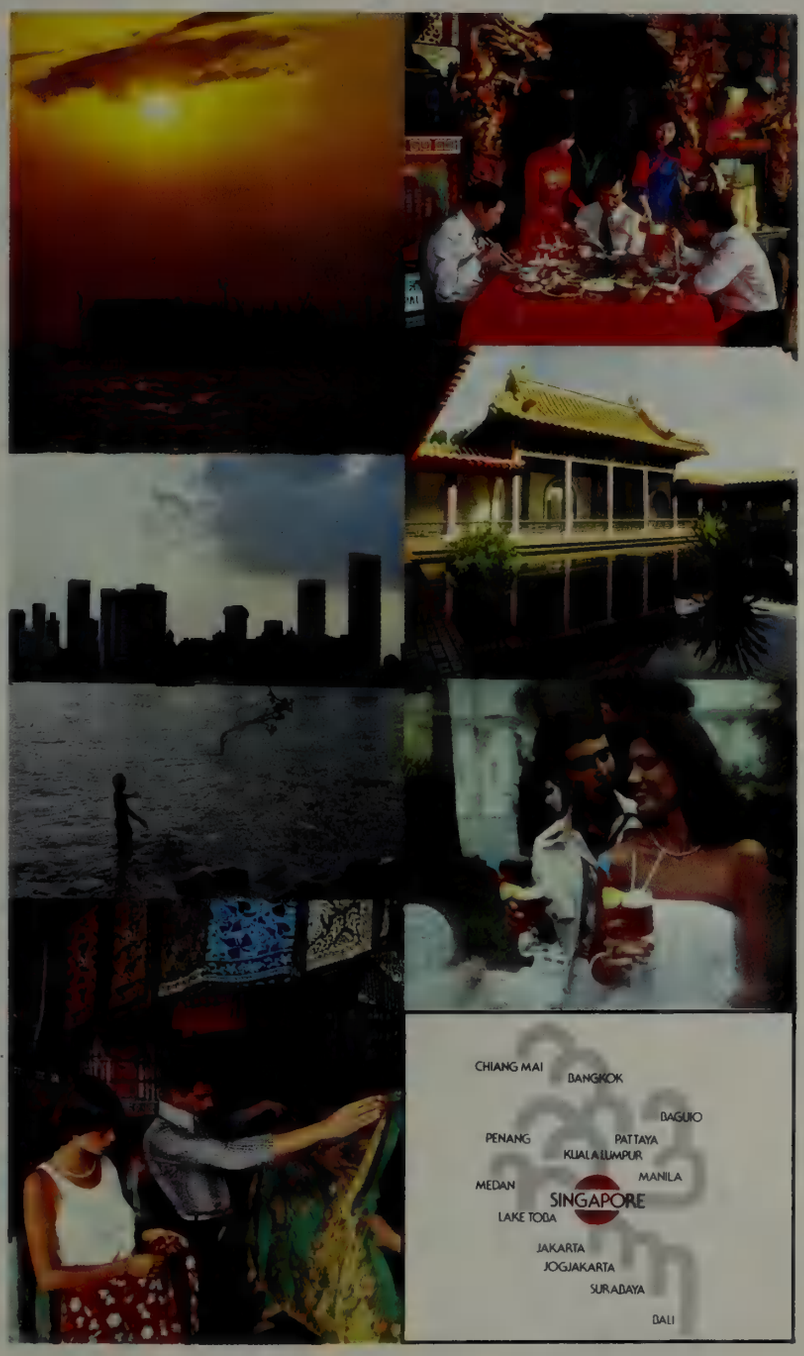
Work continues *on Sagrada Familia (note crane), but Gaudí's imprint is so deep that completion by another seems impossible*

Memories are made in Singapore

5.30 am
Watched fishermen haul in the day's catch at a kelong — enjoyed a longtong breakfast in a kampong. Everyone spoke English.

6.30 am
Watched the dawn break over the East Coast Lagoon. Admired the Singapore skyline of this clean, green city.

9.00 am
The Market or the Mosque? — what a choice. The Market at Geylang was exceptional. They were practically giving away their Batik. Bought wooden clogs to match all for $10.



1.00 pm
Had Tim Sum lunch at an Emperor's Palace. 32 delicacies served by Chinese handmaidens.

4.00 pm
Visited a tropical sanctuary of over 7,000 birds of different species. Saw the Chinese and Japanese gardens. Singapore is the only place where you can be at two places at once.

7.00 pm
Was transported to Raffles Hotel in a trishaw for dinner. Had a famous Singapore Gin Sling.

Singapore — gateway to all Asia — it's just over the horizon.

Come Share Our World

Singapore

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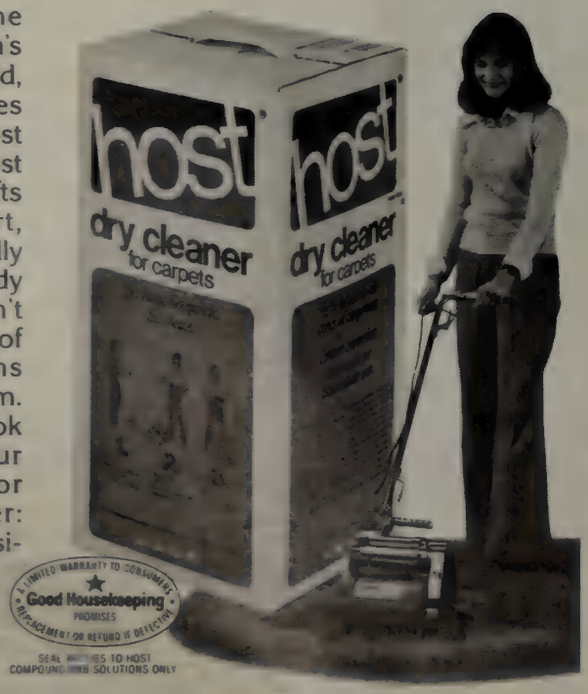


host Keeping America's carpets beautiful

the eye. Streaked with city grime, its undulating façade looks like a cake left out in the rain, but look up—there are creatures on the roof.

Enter Casa Milá and look for the carved wooden elevator doors. Through top floor windows you can see the apartment building's collection of sculptured chimney pots pictured on page 90.

For permission to enter this roof garden and Casa Battló's, write in English or Spanish to Prof. Juan B. Bassegoda i Nonell, President of Amics de Gaudí, Consejo de Ciento 314, Barcelona 7, Spain; or call 302-28-31.

At the far end of the block is the Diagonal metro station. Board a purple *linea 5* train in *dirección Horta* and get off at the second stop, Sagrada Familia.

Here is the mighty **Sagrada Familia church** that Gaudí worked on from 1883 until his death. This "Hellenistic temple of Mediterranean Gothic," as he once called it, is not finished.

Walk into the park that fronts the church for a long view that will give you a feeling of its final form. Then enter the construction site (30 pesetas) for a closer view of the nativity façade. For 10 pesetas you can ride the cylindrical elevator up into one of the towers. Stairs lead both up and down from the elevator landing and bridges take you from one tower to the next, bringing you close enough to touch the stonework.

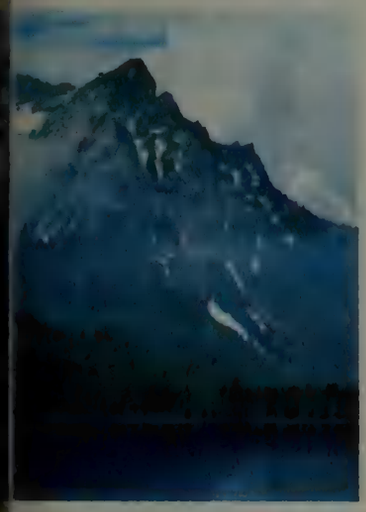
Far below are breathtaking views of the city. As you look, the sound of hammer on chisel on stone chinks an ancient song into the traffic roar. Narrow stairs spiral down between inward-sloping stone walls punctured at intervals with small windows that give changing glimpses of the structure itself—not for claustrophobes or acrophobes.

Return on the metro to Diagonal station (*dirección San Ildefonso*). Follow signs to the green *III linea, dirección Pueblo Seco* and exit at the third stop, Liceo, in front of the covered San José Market. Walk down Rambla towards the ocean two blocks to Calle Conde del Asalto. Half a block to your right look for the twin parabolic arches marking entry to **Palacio Güell** (1885-89). The residence has been converted into a museum (open 11 to 2 and 6 to 8, closed Mondays; 10 pesetas). The basement stable, with a spiral brick ramp for horses, is now a *museo del cinema* (same hours, another 10 pesetas).

Walk back to nearby Rambla and straight across to Plaza Real. Pigeons fly from the littered cobbles, swoop a circle past the palms, and land on the stubby ornate arms of the lampposts that flank the fountain. These polychromed cast-iron lamps and the fountain were Gaudí's response to his first independent commission. A number of

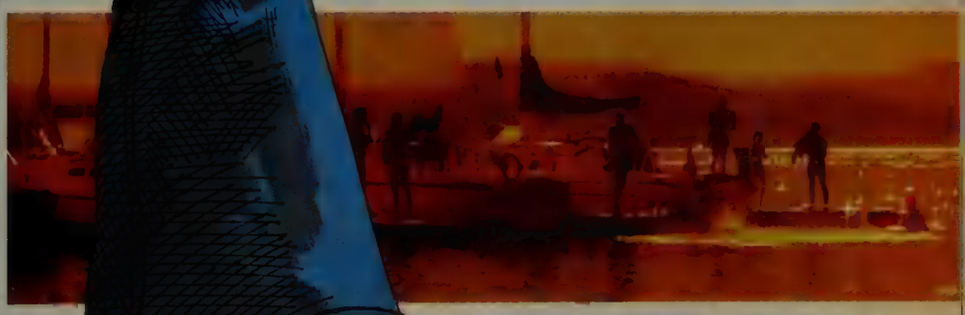
'eaceful grandeur spiced with Hell-roaring fun.

hat a land of contrasts
our largest wilderness
d by nice accom-
tions, hell-roaring
rapids, most
eful waters.



On the "River of No Return," we watched an old mountain sheep feed just across from where we fished.

So surprised at one area . . . fifth golf course going in . . . only minutes from wanderlust backpacking . . .'way up in the footings of heaven.



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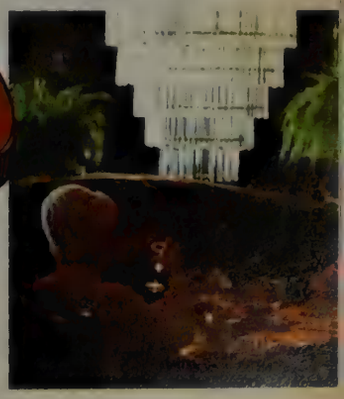
big and handy or small
emote. We *worked* on
ch but they have 'em
dudes" too.

Sailing, trail rides, clean air.
this incredible Idaho.



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DON NORMARK

Built in 1889, *Molly Brown's mansion is made of Colorado rhyolite and sandstone*

At home with unsinkable Molly

Broadway didn't invent her. Moll Brown was a real personality who live atop Denver's Capitol Hill and helpe row one of the last lifeboats from th sinking *Titanic.*

You can visit her 18-room home at 134 Pennsylvania Street and have a peek a some of the elegance that came to her a the wife of a Colorado mine owne Well-informed guides will tell you muc about Molly's life and turn-of-the-cen tury society.

Among the highlights are period furnish ings (many of them really belonged t the Brown family), nearly 4,000 decora tive objects, and some of Molly's co tumes. The newly restored kitchen—en result of 26 months of work by Histori Denver, Inc.—is accurate to the la detail.

The house is open from 10 to 4 Tuesda through Saturday, noon to 4 Sunda and during the summer 10 to 4 Monda Admission is $1.50 for adults, 25 cen for children under 12.

Dining room ceiling *was hand painted to resemble inside view of solarium dome*

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Denver's Wazee Street market reopens Memorial Day weekend

SUSAN BIDDLE

Basket booth *does a brisk business at Denver's Saturday market along both sides of 17th Street near Union Station*

Outdoor stage *showcases marionettes, singers, dancers in afternoon performances*

The European tradition of the colorful open city market has been revived in Denver (as in Portland and Eugene). Planted in the heart of the city's oldest commercial district, the Wazee Saturday market began last fall, took a winter break, and reopens on May 27 with more booths and fresh spring produce.

Every Saturday you'll find crafts, food, and entertainment at some 70 booths along 17th Street from Wazee Street up to the imposing 1914 Union Station (still an operating Amtrak station). You can also participate in a 1 P.M. public forum, when speakers address such subjects as women's rights, energy use, and the environment. For children, there's often entertainment on an outdoor stage.

The market—open from 10 to 6, rain or shine—is about 15 blocks northwest of Denver's civic center. There's plenty of on-street parking nearby and a bike check-in booth. □

Representative Pat Schroeder *spoke at the public forum last fall; it's held every Saturday afternoon at 1*

Pushcart stands *dotting the street offer hot pretzels, burritos, hot dogs*

Take one.

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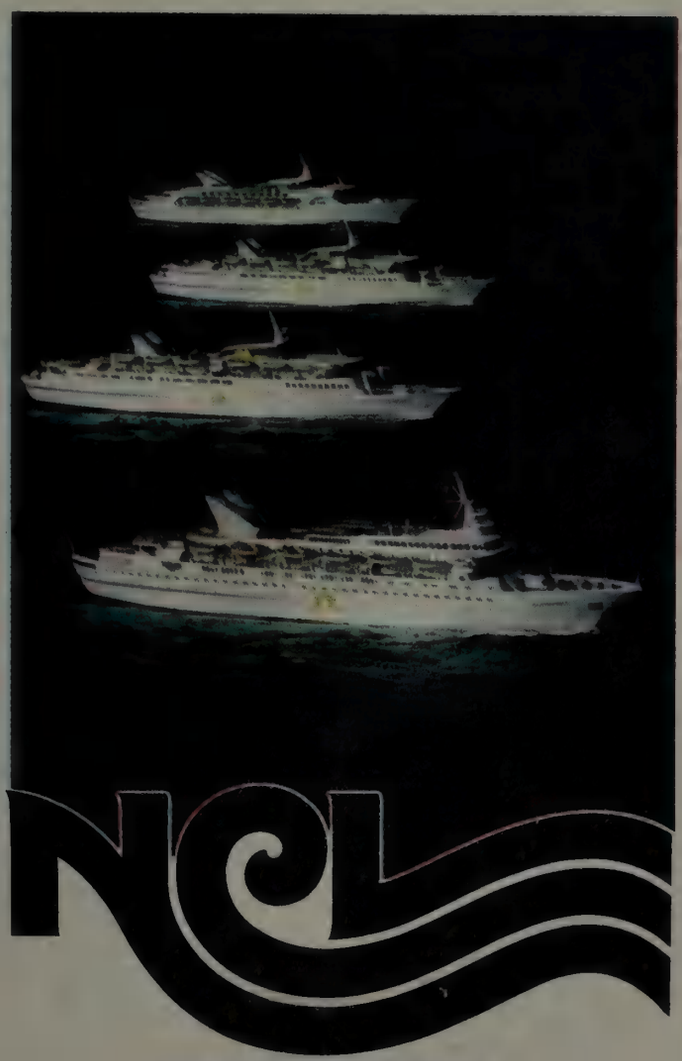

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A dozen *sculptured oxen support base of baptismal font in Mormon temple*

Rare opening of Oahu's temple

The formally landscaped 15-acre grounds of Hawaii's Mormon Temple have attracted visitors since the temple was built in 1919. But for most, the tour stopped there; only church members could enter the imposing temple itself.

This month, anyone's curiosity can be satisfied, as the newly renovated temple will be open to the public from 10 A.M. to 9 P.M. daily except Sundays, May 2 through 27. It may be your only chance to tour the building for another half-century; after May 27 the temple will be rededicated and again closed to the public.

Guided tours lasting half an hour will take you through the main section of the building. The 163 rooms open for viewing will include the baptismal font area; the sealing rooms, where eternal marriages are performed; and ordinance rooms, with murals symbolically depicting man's journey through life.

The Hawaiian Temple of the Church of Jesus Christ of Latter-day Saints was the first Mormon temple built outside the United States. It's in Laie, on the north shore of Oahu, where Mormon missionaries first settled in 1865.

Laie is about a 1-hour drive from Honolulu; signs direct you to the temple grounds. Sign up for the free tours at the visitor center near the temple. Nearby is the Polynesian Cultural Center (one of the island's most popular attractions), the Hawaii campus of Brigham Young University, and, a few miles beyond town, the Kahuku Sugar Mill. ▫

Stress can rob you of vitamins

What is stress?

Severe injury or infection, chronic verwork, too many martini lunches, fad eting — any condition that places an nusual demand upon your body consti-tes stress and may cause B and C vitamin epletion, if the diet is inadequate.

Stress can deplete your body's stores of water-soluble vitamins.

Your body absorbs two kinds of tamins from the food you eat, fat-soluble nd water-soluble. The fat-soluble vitamins e accumulated in substantial reserves in ody tissues. But this is not true of most of e water-soluble vitamins, B-complex and and daily replacement through proper et is considered necessary even when ou're well. When your vitamin needs are creased by stress, your body may use up ore B and C vitamins than your usual ily meals provide. During times of continued stress — when your body may be affected in many ways — a vitamin deficiency can develop.

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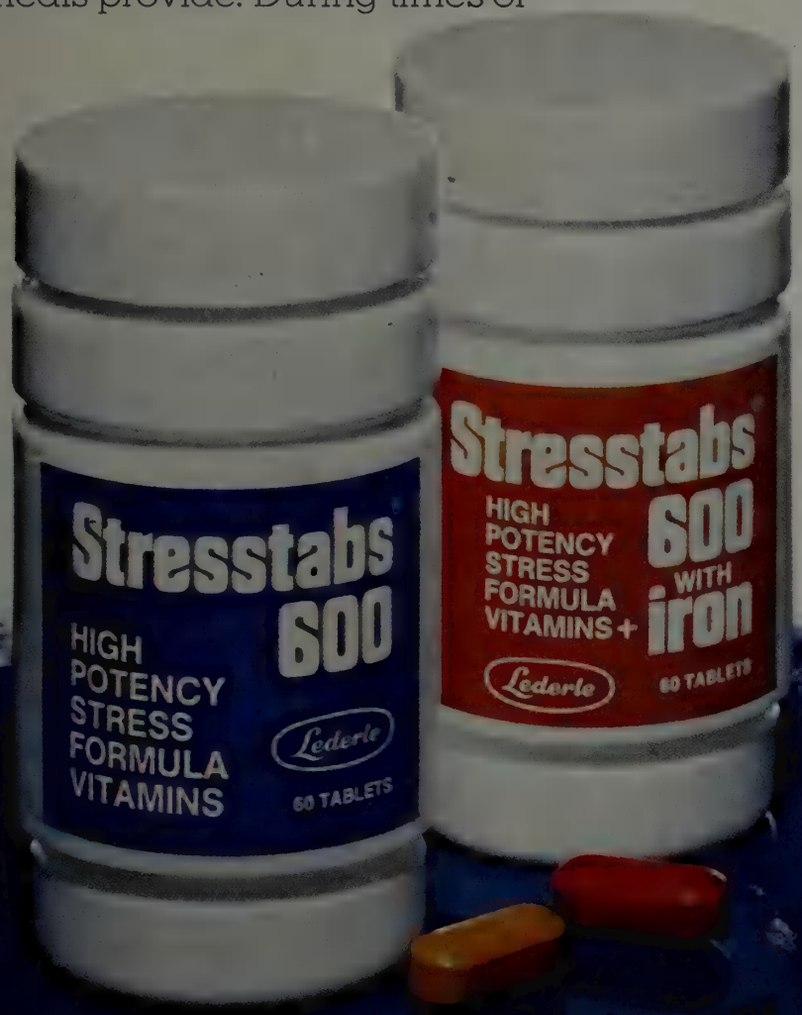

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ENIT

STEVE W. MARLEY

Oak-crowned, *grassy hills behind Fremont's Ohlone College are now part of a preserve*

New hikers' park in the East Bay

Patches of wildflowers scattered over green hillsides, hawks and sailplanes soaring overhead, high trails with grand Bay views—you'll find them all in the East Bay's newest park, the 620-acre Mission Peak Regional Preserve.

The park sits just behind Fremont's Ohlone Community College about 30 miles southeast of Oakland, 20 miles north of San Jose. From the campus's south parking lots near the baseball field, take the Ohlone Trail through campus to the Panorama Trail, passing through a fence stile on your way. Go 2 miles up into the hills to the Mission Peak trail and the preserve.

It's a breezy, huff-and-puff hike to the top of the park by the 3-mile round-trip Mission Peak trail. You climb some 2000 feet for striking views of the South Bay region. From the 2,517-foot pinnacle you'll spot other local sentinels such as Mount Diablo (3,849 feet) to the north and Black Mountain (2,572 feet) at mid-peninsula to the southwest.

The preserve will remain largely undeveloped. Wear hiking boots, bring water, and take a jacket, since strong breezes often kick up on top.

To get to the preserve from State Highway 17, take the Ohlone College/Mission Boulevard exit and go northeast on Mission Boulevard to the campus and parking lots at the south entrance. For more on the Ohlone College area, see last month's *Sunset*, page 56. □

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In their finest *regalia, Indians circle grassy area to watch a maiden in beaded buckskin (and other dancers out of photograph) perform at Warm Springs, Oregon, powwow. Visitors sit this close, too*

Dazzling feather bustles *fly with feet as fancy dancer steps out in popular offshoot of old Plains war dance. Props in hands dramatize the motions*

DON NORMARK

Walking works of art, *dancers design and make their fringed shawls and beaded hair adornments*

LYNTHA SCOTT EILER

Powwows in 1978

From Memorial Day to Labor Day, from Wyoming to Oregon to Arizona, almost every weekend. You are welcome

For a moment this summer, you may imagine you're in an earlier century. Around a great brush arbor, or in a simple circle, dancers of all ages in beads, buckskins, bells, moccasins, and shawls move past you to the rhythm of a drum so close it vibrates your feet.

A high-pitched voice takes up a chant in an ancient language. Others, high and low, join in. You hear laughter of children. Horses whinny. In tepees and tents, Indians from many tribes are camped at their age-old form of assembly: the powwow.

Dozens of powwows like this will happen throughout the West this summer (see map, page 110). Here you can glimpse for yourself the most significant American Indian cultural renaissance since the disbanding and relocation of the great tribes in the late 1800s.

Indians meet to dance and sing year-round, but it's from Memorial Day to Labor Day that powwow fever strikes. Two-day to five-day powwows happen somewhere in Indian country nearly every week. In cities, on college campuses, at remote reservations, they may attract several hundred Indans, on up to 20,000 (as at the Crow Fair at Montana's Little Bighorn River).

Some are more traditional, others become sidelights to famous rodeos like the Calgary Stampede. Few are advertised, and admission is rarely charged; they're hosted by tribes or Indian clubs purely for their own pleasure.

Visitors are welcome at all of them. You'll be an observer, expected to quietly respect and enjoy the activities—but warm smiles and sincere, informed interest can draw you closer. At some

Tepees, *trailers, canvas food and craft booths crowd typical powwow grounds. Visitors walk among playing children and costumed dancers*

places you can camp alongside the powwow; others you just visit. Whether you attend one or several this summer, you may discover celebrations as rich and memorable as any you could fly around the world to see.

Here we offer guidance to powwows whose dance, music, arts and crafts reflect former life on the Great Plains and its borders. On page 64 are suggestions for planning your trip (reserving tribal accommodations, books to read) plus a supplement to our map (addresses, phone numbers, starting times).

A new spirit, new interest in the past

Blossoming pride and interest in ancestral ways is a less-publicized side to the Pan-Indian movement of the 1960s and 70s. (More focus has been on battles in courtrooms and legislatures over broken treaties, land and water rights, self-determination, and a list of other unresolved grievances.)

On reservations and in cities with sizable Indian populations (1970 census shows some 24,000 in the Los Angeles area, 16,500 in the San Francisco Bay and San Jose area, about 10,000 in Phoenix and Seattle, and 4,000 to 6,000 each in Albuquerque, Denver, Portland), children and adults now are boning-up on tribal languages and arts. Increased membership in the Native American Church has been noted in the media.

Old-timers are passing along nearly forgotten stories, dances, crafts, philosophies. New generations listen as they seek a balance somewhere between who they were and who they will be.

Nowhere is this growing Indian pride and concern for traditional ways more evident than at powwows—the heartbeat of the Pan-Indian movement.

What happens at powwows?

Carloads of Indian families, from toddlers to ancients, plan their vacations and reunions around favorite powwows. Some Indians make the whole circuit, financing their travels from dance contest winnings. For Indians, camping may be free, and the host often donates some rations—stew meat, potatoes. From the moment the first tent is pitched until the last feather is packed, there's visiting, joking, airing of gripes, trading, and even courting.

For visitors, there may be parades, horse racing, rodeos, or handgames to watch, but the main attractions are in the circular dance area (or arbor) where all sorts of dancing, singing, and other traditional activities such as giveaways take

Crow girl in buckskin *joins jubilant dancers wearing bone breastplates, ankle bells, porcupine hair roaches for "Dance Around the Camp"—a tradition each Monday after Crow Fair*
DON NORMARK

SUE LEVY

Young ladies *share joke during a lull in dance contests. Crown, bone and bead chokers, and hair ties may help win points during judging*

DON NORMARK

Beaded mirror shows *where to add paint. Ben Pease says getting ready to dance takes at least a half hour*

What happens at the powwows? So much. Especially dancing

place. During lulls, you can explore craft booths, or buy snacks from vendors.

On opening day, campers settle in and register for events. Dance contest eliminations begin the second day, continuing until finals—usually the last day.

Seating may be limited at all dance events, so bring portable stools if you have some. Seating closest to the dance area is for dancers and their families.

About cameras and recorders. While both are forbidden at Southwest Indian religious dances and Plains ceremonials such as sun dances, both are usually part of the Plains powwow scene. Take your cue from participants or officials. There's usually no objection to photography during dancing or parades. But hold off if an Indian indicates he or she doesn't want to be photographed. Ask permission before shooting portraits or camp scenes. An offer to send your subject the picture may be appreciated.

Indian time: Indians grow weary of remarks about "Indian time," but it's true some powwows don't follow rigid schedules. Events take place when everyone is ready—sometimes as much as a few hours after the announced time—but are usually worth a wait.

Music . . . perhaps centuries old

Most powwow dance and music is still very old, and much of the symbolism has evolved with the decades.

As in the old days, there are songs for everything—from greeting the new day to blessing a new drum. The songs you'll hear may be hundreds of years old, or as new as yesterday. Some have words in Indian languages; others are sung with vocables—such as *Hay yah, hay yah, hay yah, hay*—accentuating the beat.

Indian music is extremely complex, based on scales with two to nine tones. Powwow songs are usually based on four or five-tone scales (Western music is all on eight-tone scales). Songs start

Already it's a century since Little Bighorn but the culture goes on

The image of the Plains Indians—superb mounted hunters in eagle feathers and animal skins fighting and living with a rare courage and panache—has inspired the world for decades, and still does.

Nearly 30 main tribes, plus numerous subtribes and bands, lived and hunted in the vast grasslands and prairies from Canada to the Gulf of Mexico, from the Mississippi to the Rocky Mountains.

Their languages and beliefs varied. Some tribes were peaceful; others not. All shared a dependence on the buffalo. Before horses appeared, they followed herds and led warring raids on foot.

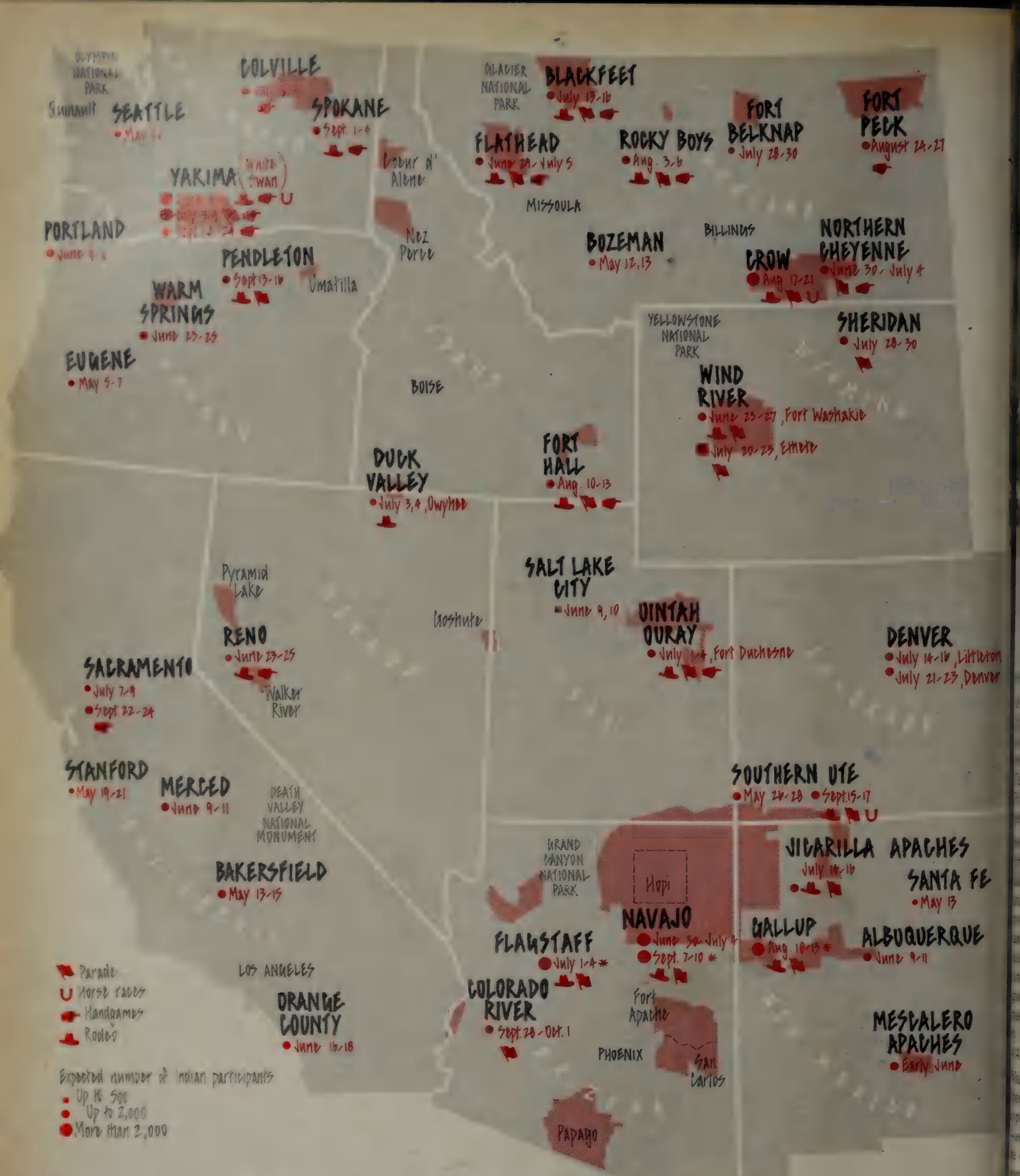
In the 1600s and 1700s their lives changed drastically as guns began to arrive from the east and horses were spirited away from Spanish settlements in the Southwest. Within less than a century, Plains Indians became some of the world's finest horsemen as they pursued the dwindling buffalo.

Frequent warfare was characterized by swift short raids, sometimes with few if any casualties (many tribes considered it more courageous to touch the enemy with a stick—called *counting coup*—than to kill). Wars against white immigrants began in earnest in the 1840s when gold brought them in droves through hunting lands, climaxing in the Sioux and Cheyenne's desperate 1876 effort at the Battle of Little Bighorn. A final bitter struggle between Sioux and U.S. troops in 1890 at Wounded Knee, South Dakota, ended forever their nomadic life.

Descendants today live on reservations in Montana, Wyoming, and the Dakotas and throughout Canada and the United States—yet still maintain their ties with the past.

1890s. *Assiniboin Bear Clan assembles at Fort Belknap, Montana*
COURTESY FLORENCE PULFORD AND FRANCES FOX

1970s. *Family smiles for camera after its horse wins Montana race*



Here's where you'll find 1978 powwows

Major Indian-owned lands in the West are shown in color. Several are within a day's drive of national parks and monuments.

Bold black type names reservations and cities hosting powwows with dates we were able to verify by our press time.

There's dancing, also craft and food booths, at each. Most feature intertribal powwow dancing and Plains Indian dance contests (described in our adjoining text).

Exceptions (marked with an *) are more staged shows to which tribes have been invited to perform their ceremonial dances for spectators.

Symbols indicate which powwows also feature rodeos, handgames, horse races, parades. Other events you may find are beauty pageants, speechmaking, feasting (open to all guests). For specific powwow locations and aid in confirming dates before you go, see page 64.

Dots estimate number of Indians expected to camp or join in the 1978 powwow events. These are very rough guesses, with the help of powwow organizers. It's hard to judge: Participants just show up, without advance registration.

Similar powwows occur each summer in states east of our map. Some bigs ones are in the Dakotas and Oklahoma.

For a calendar of dates and locations of these and other ceremonies throughout the country, send $2.20 for an *American Indian Calendar 1978* (No. 024-002-00062-4) to U.S. Government Printing Office, Washington, D.C. 20402.

DON NORMARK

Mound of gifts *go to friends on last day of Crow Fair. Giveaway is Indian way of saying thanks for an honor bestowed. Child jockey (right) leaves nearby Crow rodeo grounds after horse race*

TERRY EILER

The right choice: *teammates and visitors beam approval as handgame player guesses hand holding the marked stick*

on a high pitch, then descend.

At Plains powwows, dancing is controlled by singing groups (also called *drums* since members both sing and beat the drum). Groups with names like the Teton Ramblers, Mad Dog Singers, and Porcupine Singers often have sung together since childhood.

Some Indians judge a powwow's importance by the attending drums. Powwows like Crow Fair, attracting up to 30 drums (including some of the finest composers in the Northern Plains—Montana, Wyoming, the Dakotas), are Indian equivalents to any music festival where fans with tape recorders rush from group to group. (For a list of Indian music—records and tapes you can order by mail—write to Canyon Records, 4143 N. 16th St., Phoenix 85016.)

When both Northern and Southern (from Oklahoma) drums show up, there's a special rivalry—usually good humored—as they take turns playing. Listen for the differences: Southern rhythms vary from slow to fast and very very fast, while Northern drums keep a steadier tempo. Also, Northern songs start at a much higher falsetto pitch.

To experienced dancers, who must stop exactly when the singers do, songs by either group are as predictable as Handel's Hallelujah Chorus.

Dancing . . . variations on old themes

Dancing begins with a colorful grand entry—all dancers in single file behind an Indian flag—a tall staff with eagle feathers, and the American flag. Next, an Indian national anthem is sung; most tribes have one, usually sung in the tribal language. Translation of one Sioux flag song goes: "The flag of the United States will fly forever. Beneath it, the Indian people will grow."

Indians in ceremonial dress from all tribes are welcome to join in social dancing called Intertribals. At first the spectacle of so many dancers moving together, all seemingly doing their own steps, may look confusing and unstructured. But watch first one dancer, then another, and patterns will emerge. You'll see dancers pantomime stories of war, honor, and courage as in the old days. The best men dancers still pattern movements after birds and animals. Fringes, feathers, and bells seem to dance too.

Friends peek in *as family sits for portrait in one booth at Indian fair*

Best efforts may be saved for dance contests. Originating in the 1920s, dancing for money (now up to $1,500 per adult category) has become a powwow staple over objections of old-timers who insist dancing should be from the heart.

Judging is by age groups; children to elders. Losing the beat, dropping any part of a costume—even one feather—or failing to stop exactly with the drum can disqualify a contestant.

Most powwow dancing is an offshoot of a century-old dance started by the Omahas and greatly expanded by the Sioux. Now it's called war or grass dancing (because part of the costume was grass).

Here's how to distinguish the competitive dance categories by movements and by costume.

Men's traditional or straight: Proper attire includes porcupine hair roach headdress with eagle feathers in the middle. Northern dancers also wear a feather bustle (or crow belt) and bone breastplate (see page 108). Southern dancers wear cloth shirts and leggings. Chests thrown out, sometimes bending low, always looking from side to side, dancers exhibit a proud, almost haughty look as they slowly tap-step around a circle.

Women's traditional: Fringes on buckskin dresses sway as dancers turn from side to side, flexing at the knees (see page 106). Older Sioux women are considered especially fine dancers.

Men's fancy: Standard dress for this modern offshoot of the grass dance includes two round or U-shaped feather bustles (see page 106), also a roach and matching beaded wrist bands and vestment-like strips around the neck. In a relaxed acrobatic style, dancers dart quickly, changing direction, dropping near the ground, then shooting upward. Footwork is masterful; sometimes they appear to stumble or limp, only to recover quickly in precise rhythm.

Women's fancy or shawl dance: Dancers are dressed like women on page 107. Their feet and fringes seem to float with a step reminiscent of the Charleston.

Many other dances are seen between contests: dances by visiting Southwest or North Coast tribes, round dances (men

Dad's music *delights little Rosella Windy Boy (left). Two sticks (above) add rhythm for powwow handgames*

Powwow singers *dressed Western style drum their own accompaniment*

Plains music . . . rhythm, song

Indian music *(unique in the world) is mainly vocal and percussive. While each of the more than 200 tribes in the United States has its distinct style, these pictures reflect some similarities. Hand drums accompany songs around camp and home; drums and sticks provide a rhythmic beat for handgames; large bass drums accompany powwow songs. Dancers carrying rattles or wearing jangling brass bells around their legs move in exact cadence with the drums, adding a hypnotic percussion. Rhythms vary, but one you'll never hear is the LOUD soft soft soft pattern popularized by the movies*

DON NORMARK

and women face the circle doing a side step). Dancers wearing red and blue blankets over their shoulders do the old religious gourd dance.

Honoring songs and giveaways

The extended family (many adopted aunts and uncles) and a genuine affection among generations is evident at powwows. During dance lulls, extended family members may chip in with gifts of blankets, cloth, money—all to be given publicly to valued friends. Giveaways may be a memorial, or may honor a family member's achievements or acknowledge one's vow to live more in the Indian way. Honoring songs and dances accompany each.

In camp . . . no time for sleeping

If you camp with the Indians (ask the powwow director or a tribal official first) you may hear drumming and singing throughout the night. In the wee hours, after dance contests end, young Indians change into jeans and shirts and return to lock arms and dance around singers.

The songs are called *forty-nines*, perhaps from a story of 50 warriors who rode to battle; only 49 returned. The music is Indian but words are usually in English, often spoofing country and western songs. A sample: "She got mad at me because I said hello to my old-timer." Stand near the drum, feeling the beat and watching the faces of everyone joining in the singing—it's a moment you won't soon forget.

Sometimes at dawn the camp crier rides from tent to tent with a megaphone calling families by name, teasing and shaming them into action. *Che-la. Co-eladok. Des-ash-quo. Dot-ta-la!* the crier may shout at Crow Fair. (Get up. This is why you came here. Get your horses ready.)

On the Plains, horses still count

Horse racing has been a passion of Western tribes since the 1700s or earlier. When you can see it today, especially in Montana, with children racing bareback through camps and 8-year-old jockeys giving their all at the race course, you'll realize it's still as important as ever.

Horses are a mainstay of parades. Prizes of up to $1,000 may attract hundreds of Indians in a variety of dress: warbonnets, western wear, reservation hats (unblocked cowboy hats), and women's traditional dress. Horses' beaded trappings may equal the riders' (see cover).

Handgames, simple and complex

At least 81 Indian tribes play handgames of some sort—also called bone or stick games. Simple hide-and-guess gambling games, they may be accompanied by some hilarious hocus-pocus, theatrics, and a whole set of special songs as two teams try to confuse each other.

Rules vary, but basically one team hides the bones or sticks (two marked, two plain), while the opposing team guesses which hands hold the marked ones. The first side to win all 11 counter sticks (sticks are won by correct guesses) wins the game.

Where to see (and buy) Plains crafts

Arts and crafts (see sampling at right) have never become an industry with the Plains Indians as they have with the Southwest Indians. But while Plains Indians make things mainly for gifts or personal use (all costumes are handmade), an increasing amount of fine work is being made for sale.

Traditional crafts rely on raw materials available in the grasslands: willow for backrests, ash for pipe stems, buffalo and smaller animal hides appliquéd with quills and feathers, or painted with natural dyes. Horns still make spoons.

European glass beads, introduced by traders in the 1700s and 1800s, remain a favorite today, on everything from belt buckles and moccasins to handbags.

Some older crafts such as porcupine quill work and the Indian method of tanning skins to make them baby soft (you'll recognize some by a smoky smell) are so time-consuming that it's amazing they have survived at all. Several of the products pictured here can be found only by diligent looking.

A free *Source Directory* lists Indian organizations and artists that sell Native American crafts and includes addresses, kinds of crafts sold, and how to mail-order; for a copy, write to the Indian Arts and Crafts Board, Room 4004, U.S. Department of Interior, Washington, D.C. 20240. For a free *Indian Arts and Crafts Association Directory* (listing shops selling authentic Indian-made crafts) write to IACA, 2401 12th St. N.W., Albuquerque 87102; enclose a stamped self-addressed envelope.

To discern fine from mediocre work, pay attention to what Indians wear at powwows or visit museums featuring Plains crafts (seen in greatest variety at the Plains Indian Museum in the Buffalo Bill Historical Center, Cody, Wyoming). Also, see the Museum of the Plains Indians in Browning, Montana, Doug Allard's Museum and Trading Post in St. Ignatius, Montana, and the Indian Arts Museum, Colter Bay, Wyoming. □

COLLECTION COURTESY FLORENCE PULFORD

GLENN CHRISTIANSEN

Plains Indian crafts...a sampling

Beadwork, moccasins, and ribbon shirts are available at some powwow craft booths, but some of the others pictured above are harder to find. We suggest sources in the text at left. Prices range from $15 for beaded hair ties to $1,000 or more for a museum-quality star quilt.

Beadwork. Popular items now are belt buckles, bolo ties, watchbands, medallions, hair ties, bracelets. Price: $15 to $75 or more. Tiny beads, size 10 to 13, are in the finest work, cut glass beads are prized. Good work is neat and even. Beware of machine-made beadwork from Japan and Hong Kong. It has flooded the market, often without explicit labeling.

Moccasins. Most Plains styles have soft upper buckskin with ankle cuffs, and rawhide soles. Prices begin at about $45, varying with quality of leather, extent of beading. In finest ones you can't see stitching.

Quillwork. Porcupine quills prepared by soaking, flattening, and dyeing are folded and sewn on hide to decorate jewelry and moccasins. They're also used to plait ceremonial pipes: $50 and up.

Rawhide containers. Lightweight, unbreakable cases (perfect for nomadic life) are made from animal hooves sewn together and shaped with sand, or from hides scraped and folded into boxes or envelopes (parfleche) and painted with geometric designs: $125 and up. Buckskin dolls cost $100 or more.

Star quilts. Already experts at appliqué, Plains women adopted European star quilts from white settlers a century ago. Now in wondrous colors—sometimes inspired by dreams and visions—they're made by Sioux, Utes, Assiniboins, Gros Ventres, and others for births, deaths, and other major events: $50 to $1,000 or more.

11:00 *Cyclists gather at the appointed hour—some ride, others drive to starting point. They'll ride 25 miles, with rest and snack stops planned at each other's homes along the way*

11:30 *At first stop 2½ miles away, bikers help themselves to juice, champagne, wine, kept chilled in ice-filled red wagon*

2:15 *Bicycles can go where cars can't—like in, around, and through the campus of California State University, Northridge*

Friendly bike adventure in the San Fernando Valley ... an all-day ride with stops

What stops? Fruit stop. Fish stop. Sandwich stop. Last stop

Eat, drink, and pedal—and then eat, drink, and pedal some more—that's how a group of energetic cyclists from Southern California's San Fernando Valley combine a good time with a little healthy exercise.

They started with an all-day bicycle ride, and planned stops at some of the cyclists' homes along the way for a bit of rest and refreshment. But that soon turned into a progressive bicycle brunch of sorts which was so successful they'd like to share the idea with other occasional or serious bikers.

Their group usually numbers about four to six couples. About a week or two ahead, several of them get together to plan the itinerary. They try to map a route that's a little different each time so they have a change of scenery and terrain and can visit a different group of homes. The number of stops can vary too, but they've found three or four to be about right for an all-day affair.

The route is planned to allow for about 30 to 60 minutes of cycling between stops—which is enough to work up an appetite for the refreshments. Each cyclist gets a copy of the proposed route, including times, estimated distances, and a list of the hosts and hostesses.

The menu at each stop is up to the host and hostess. But since they'll be cycling too, the food is usually assembled ahead, ready to serve. Then it's simple to set out as the cyclists arrive. Hand-held or finger type food eliminates the need for plates and forks and makes clean-up easy. Menus should be thought of as a series of snacks, not full meals.

Just to give you an idea, here's what was served at the bicycle brunch you see pictured above and at right. Along with the chilled beverages at the first stop, there was fresh fruit—whole strawberries, bunches of grapes, and some early apricots, plums, and nectarines.

A smoked fish buffet awaited the group

12:35 *Change of scenery is planned into route. Pace is relaxed, with time for leisurely exploration of side roads and byways. Here group winds around Chatsworth Reservoir*

1:05 *After 12 miles, appetites are worked up—but smoked fish, cream cheese, and bagels help*

3:05 *Ooo—delicious! At third stop, thinly sliced roast beef to make into sandwiches with lots of trimmings*

4:25 *Into the home stretch, they thread their way through downtown Northridge on their way to last stop*

JERRY FREDRICK

5:12 *After 25 miles, what better way to soothe aching muscles? For nibbles—cheese and wine, crisp vegetables, and nuts*

at their second stop. It included smoked salmon, peppered barbecued cod, herring fillets, smoked halibut, and whitefish to pile on cream cheese and bagels.

For the sandwich board at the third home, the hostess served cold roast beef (any cold meat would be fine) to slice and make into sandwiches on bread or crusty rolls. Some of the sandwich trimmings included sauerkraut, lettuce, dill pickles, and mustard.

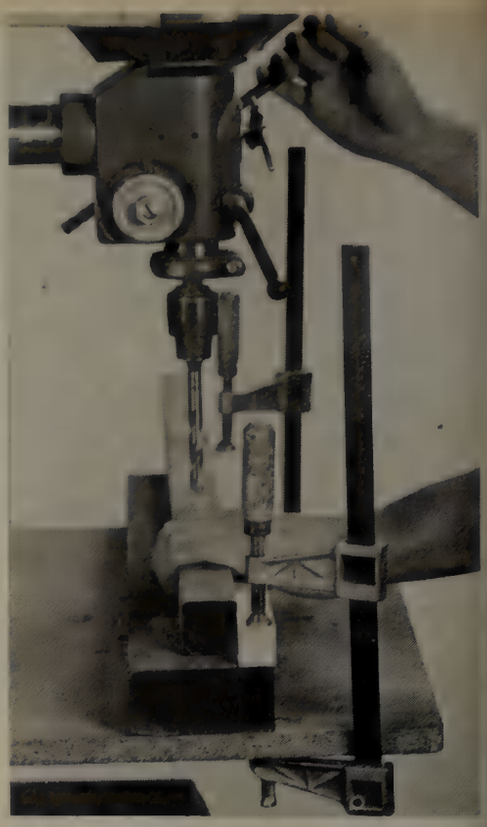
Since appetites tend to diminish near the end, the last stop was especially light—a sampling of cheeses, crisp vegetables, nuts, and wine or chilled bottled water to pass around in the hot tub. □

C clamp

The most popular all-purpose clamp. Combines great strength and low cost. The 6-inch-opening clamp aligning the unfinished cabinet above costs about $8, can exert up to 2,400 pounds pressure (but too much pressure puts abnormal bending strain on its frame). Prices start at about $4 for top-quality 2-inch-opening clamps.

Pipe clamp

For clamping over a wide span. You buy end fixtures separately, then mount them to standard or heavy-duty ½ or ¾-inch threaded black (not galvanized) pipe. The stationary head with crank-type handle threads to one end. At the other, a movable tail stop slides along the pipe and locks in place. You can couple pipes together for long reaches, but don't apply excessive pressure since the pipes can warp. The end fixtures cost about $7.50 a pair.



Bar clamp

Smaller, lightweight versions of pipe clamps, but still able to apply over 1,000 pounds pressure. Outward pressure locks the sliding head in place on a high carbon steel bar. Unlike a pipe clamp, you buy it as a unit. Clamping span is limited by the bar's length. Very useful for repair and gluing of chairs, small furniture. An 18-inch bar clamp costs about $6.50.

As small as a man's hand.
More than a ton of pressure

Clamps are the indispensables in putting things together

No one clamp can do it all.

Though clamps possess incredible strength and seemingly endless endurance, each type has its own advantages and limitations. The seven shown here cover the most common needs and situations that the home craftsman will encounter.

It's unlikely you'll need to buy all seven at once. The most versatile and useful clamps are the C clamp, handscrew, and bar or pipe clamp. The band clamp, miter clamp, and spring clamp are for more specialized jobs, so buy them as you need them.

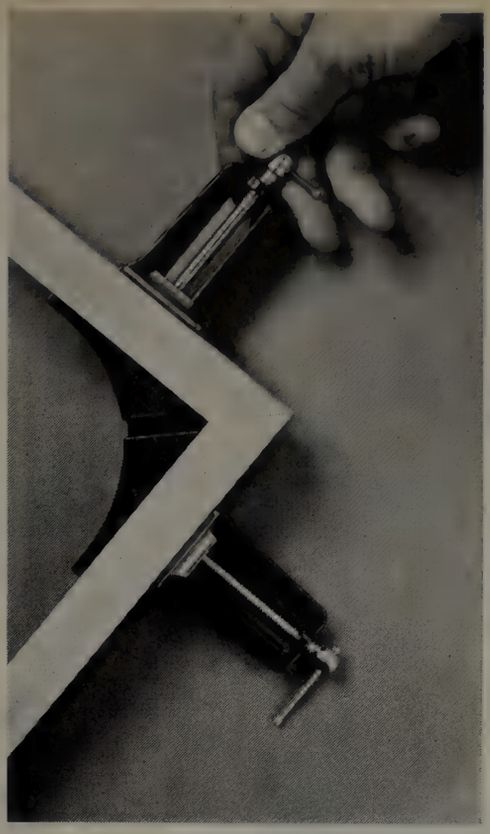
We show the most versatile size of each type of clamp. Two of each will be adequate for most home projects. For big laminating projects that require a number of pipe clamps, you can rent additional ones, or an even larger steel I-bar clamp (not shown) from equipment rental shops.

Except for the handscrew and the band clamp, these clamps apply pressure at localized spots. A piece of scrap wood placed between the clamp and your project prevents denting or marring by distributing pressure more evenly.

Care and storage help prolong a clamp's life. A drop of light oil on the screw drive makes turning easy and prevents rust buildup. Protect clamps (particularly their screw drives) by hanging them from racks rather than storing them loose on the floor. □

Spring clamp

Looking like metal clothespins, spring clamps are handy for light work. The 2-inch-opening clamps shown above quickly and easily hold oak trim in place for measuring. The point of pressure at the jaws' tips can mar softer woods (some come with polyvinyl-protected tips to lessen damage). Opening capacity runs from 1 to 4 inches; prices start at about $1.25.



Miter clamp

A specialized clamp useful when making picture frames or mitered corners with wood stock up to 3 inches wide. Heads with T-handled screw drives lock the wood in place for screwing, nailing, or gluing. To do this kind of work, you should have at least two miter clamps. Cost is about $5 per corner unit.

Handscrews

Since both the angle and the distance between the hardwood jaws are adjustable, handscrews are best for holding odd-shaped or cylindrical forms. Ideal for furniture repair because their wide mouths and deep "reach" distribute pressure evenly over surfaces, rather than focus it on one spot. The 12-inch-long jaws of the handscrews shown above open 8½ inches with a 6-inch reach. Cost is about $14.

Band clamp

Although it weighs less than a pound, this band clamp can exert over 1,000 pounds of pressure. Its locking cam mechanism draws nylon or canvas straps tight around irregular or round shapes. Also useful for securing bundles, luggage, or even gluing picture frames together. The clamp at left costs $7 and comes with a 15-foot-long nylon band plus a small tightening wrench.

In Long Beach, new entry gallery, new master room, new bath-with-a-view

ED RANKIN

Before
This 1950s tract house was set back far enough on its lot so that variances weren't required to extend an addition 24 feet closer to the street

After
Garage remained in place, but now roof slopes up to clerestory above entry. New bedroom, bath, and private deck are to right of entry. Redwood plywood sheathes old and new

In entry gallery *plants thrive on overhead natural light. Art hangs on old exterior wall of garage*

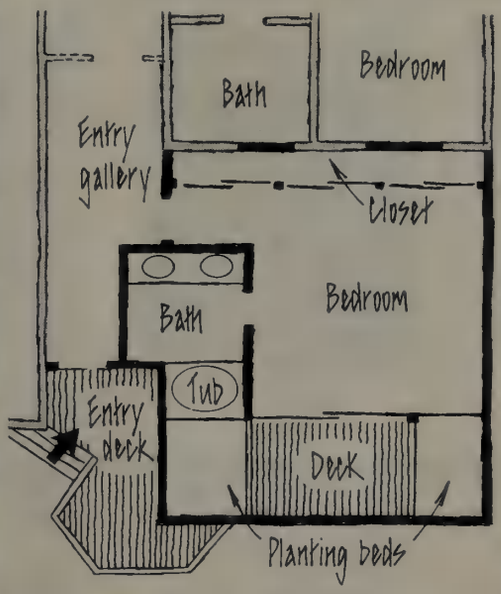
"It doesn't have any windows" is the worry of most visitors when they first approach Leda and Ed Rankin's remodeled house in Long Beach, California.

They begin to understand when they step into the bright entry gallery with its 14-foot ceiling, clerestory window, and skylights. And they understand completely when they see the new master bedroom and bath: Light pours in through nearly 20 feet of skylights above the closet wall and through an equal expanse of windows and sliding doors that open onto a garden deck. The solid wall you see from the street shields this very private enclosure.

Across the front of the Rankins' original 1,400-square-foot house were a bedroom, bath, and slightly recessed entry a few steps above garden level. To add a new entry gallery and master bedroom area, Newport Beach architect William McCulloch popped a 700-square-foot addition right out toward the street. Much of the old front wall of the house is now the back of the master bedroom closet.

RONALD MOORE

Sunken tub *in window-walled bathroom gives a tropical view of tree ferns in planting bed at one end of bedroom deck*



Remodel *used most existing exterior walls (gray-shaded). New front wall hides open-to-the-sky deck, planting beds*

Redwood paneling *in bedroom continues outside the glass wall to tie the spaces visually*

Ed Rankin did all phases of construction except plumbing and drywall. To tie the new to the old, he sheathed the entire façade of house and garage with ⅜-inch rough redwood plywood cut in 16-inch-wide panels. This avoids the 4 by 8-foot modular look of most plywood exteriors; the panels have the appearance of broad redwood planks.

He also cut back the garage eaves and turned its old hipped roof into a more up-to-date shed that ties into the peak of the entry gallery clerestory.

The front of the house actually boasts two new decks. The angular entry deck, up three steps from the driveway and with its low wall for sitting, is a modern version of a rocking-chair porch for visiting with neighbors. Within the walled-in deck off the bedroom, an overhead screen of redwood 2 by 2's, nailed to extensions of the new roof beams, protects potted plants from direct sunlight. Planting beds on either side of the deck (one just outside the bathroom window) fill in the corners of this secluded bedroom garden. □

Looking back on 8 lively decades

It's Sunset's 80th birthday this month. Here is a sampler of events and changes

1898

1978

May of 1898 was a hopeful time to launch a new magazine in the West.

Admiral Dewey was defeating the Spanish fleet in the Philippines. Ships were carrying men from Seattle, Portland, and San Francisco to Skagway, Alaska, to cash in on the Klondike Gold Rush. Hawaii became a U.S. Territory. And people everywhere looked forward optimistically to the coming of a new century and the better world it was sure to bring.

The first 16-page issue of *Sunset Magazine* had San Francisco's Golden Gate on its cover, and a long, loving lead article on Yosemite and the High Sierra. The Southern Pacific Company actually founded *Sunset* to promote its railroad traffic and develop its vast land holdings. But almost from the beginning, its magazine had greater breadth. By the time the business manager and the editor formed a new company and took it over in 1914, *Sunset* was publishing literature and articles on a wide range of subjects.

The new owners continued *Sunset* as a general interest magazine—minus railroad promotion—for the next 14 years. They first subtitled it "The Magazine of the Border," then later "The West's Great National Magazine."

Laurence W. Lane bought *Sunset* late in 1928 and the first issue under his management was published in February, 1929. His aim was to provide Western families with helpful information on homes, gardens, food, and travel.

The magazine company has grown and expanded into other activities; it began publishing books as early as 1932 and today also publishes several special interest magazines and produces films. There have been many changes to keep up with changing times. But *Sunset* is still owned and managed by members of the Lane family, and their basic publishing philosophy continues.

The 80 years since May, 1898, have been eventful ones for Westerners. At close hand we have seen automobiles, movies, radio, and television come to the fore. We have witnessed the development of jet aviation, nuclear power, and space travel. We have also survived two major wars, enjoyed six world's expositions and one Olympics, and weathered a major Depression.

On the next five pages we present a Western picture album: a nostalgic look at some of these happenings through the pages of *Sunset Magazine*.

1928-1938

First Western president

. . . and first BIG dam

Cultivate a garden

Go auto camping

Herbert Hoover (left), elected president in 1928, had been a Californian ever since he entered the first class at Stanford University in 1891.

Hoover Dam (originally known as Boulder Dam), on the Colorado River, was finished in 1936. Grand Coulee and Shasta dams were already under construction.

During the Depression many Westerners took up gardening and camping, with *Sunset's* regional editions to guide them.

Thousands came west from the Dust Bowl; John Steinbeck was drafting his Pulitzer Prize novel, *Grapes of Wrath,* about them.

1938-1948

Back-yard barbecuing

Pearl Harbor

Victory gardens

The Alcan Highway

Good times returned (by the end of 1938 *Sunset* was in the black financially for the first time since 1929). But life-as-usual ended with Pearl Harbor.

Wartime stay-at-homes again grew vegetables (helped by *Sunset's Victory Garden Book),* and continued cooking on their barbecues—if they had ration points to get the meat.

In 1942 the Army started and finished the Alcan Highway, shown at left.

In 1945 the United Nations was organized in San Francisco.

Many GI's came through the West, liked it, and planned to return. Soon after war's end they started coming.

The demand for new homes created another building boom that peaked in 1955, then tapered off very gradually. Subdivisions and satellite shopping centers spread all over the countryside.

There was a great increase in the number of swimming pools and landscape architect-designed gardens. And many Westerners were building vacation homes.

More families needed two cars, so traffic got worse. At lower left: commute time on Seattle's Floating Bridge.

The West's wine industry had recovered from the setback of Prohibition (plows in vineyards—see below—were extremely rare).

1948-1958

Subdivisions by the mile

Two cars in every garage?

Second home at mountain or seashore

California's "new" wine industry

Seattle in 1962 held the first world's fair in the West since World War II.

Alaska and Hawaii became states in 1959.

Growing garden plants and seeds (iris in Oregon, lower left), had become an important branch of Western agriculture.

Western-built jets began flying the world. The West's electronics industry, concentrated especially in "Silicon Valley" close to Stanford University, was helping inaugurate a new era of space age technology.

We gained Canyonlands National Park in 1964.

1958-1968

Seattle has a world's fair

A new Canyonlands National Park

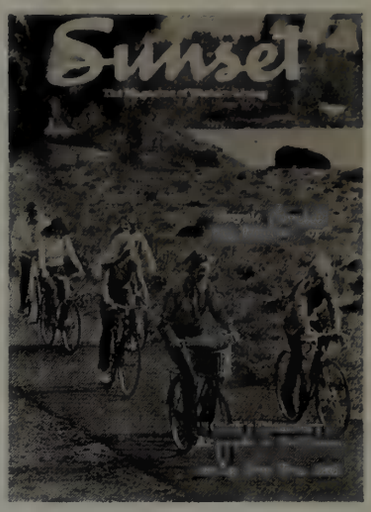
Western growing grounds

Jet aviation, electronics

Alaska and Hawaii join the U.S.

1968-1978

Ways to cut high housing costs
A bicycle boom
Preserving our last natural wonders
New bans on pollutants
Can we do with less gasoline, electricity, and water?
Bread baking comeback



The most recent decade has differed markedly from its predecessors. This has been a time of profound changes affecting the lives of all *Sunset* readers and their neighbors and also the pages of *Sunset*.

It has been a watershed decade. Almost everyone has come to realize that some critical natural resources are finite. They can run out. The air, water, land, and flora and fauna can be man-damaged.

Some of the changes have been historic, others not so. As gasoline prices shot up, so did the sale of bicycles. As DDT and other chlorinated hydrocarbon pesticides went off the scene, a renewed interest in natural gardening came on the scene.

Here were some of the highlights:

North Cascades National Park (below, center) and Redwood National Park came into being in 1968.

We published *It's time to blow the whistle on DDT* in 1969.

Oregon in 1972 was a pioneer in the field of litter-control legislation with a ban on selling beverages in one-way bottles and pull-tab cans.

California in 1976 adopted a far-reaching plan for controlling future development along its entire coastline.

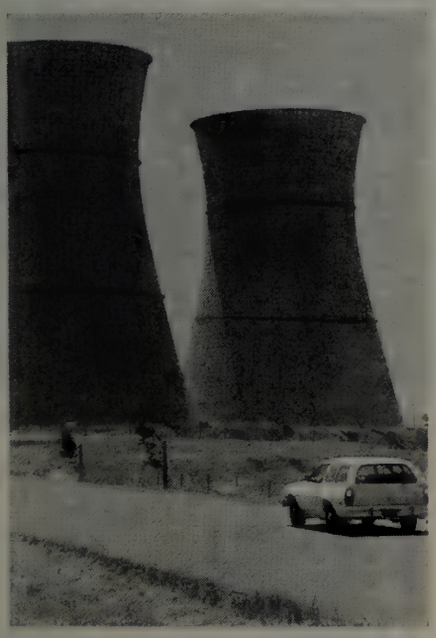
A revived interest in bread baking (lower left) and in vegetable gardening were part of a general movement "back to the basics."

The 1974 gasoline shortage sparked new interest in travel by bicycle (above), bus, and rail. Amtrak began operation in 1971.

Electric power shortages and controversy over safety of nuclear power plants (left) spurred faster development of alternative energy sources such as the sun (a solar-heated house is pictured at lower right).

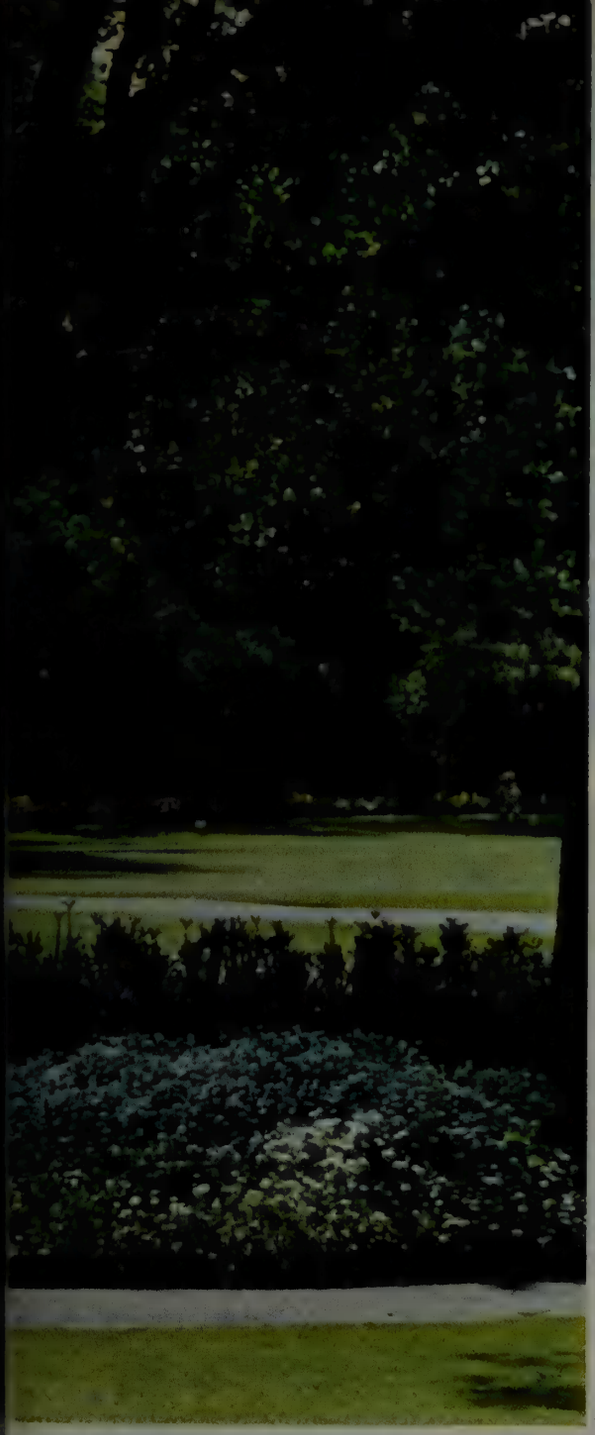
During this decade *Sunset* was continually concerned about helping readers avoid some of the brutal rise in housing costs.

Two dangerously dry years back to back encouraged all Westerners to cut back on their water use.



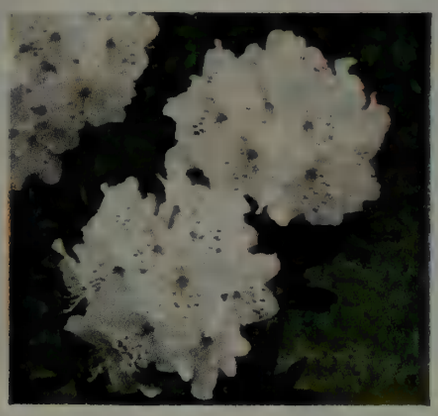
Pay our garden a visit in May

To see the spring color. To collect ideas.
You are cordially invited



Spring flower display *includes tall Wedgwood iris, orange 'Dillenburg' tulip, and whites of fairy primrose (among tulips), alyssum, and candytuft*

Golden truss *of Rhododendron 'Saffron Queen' (left) and large white rhododendron (below left) brighten garden's Pacific Northwest section. 'Sunset Jubilee' rose (below) is magazine's 1973 memorial of 75 years*



Carpet *of snow-in-summer (Cerastium) and pink dianthus flowers in Desert planting area. At rear: prickly pear (left) and young saguaro (right center)*

Springtime welcome *to Sunset: potted daffodils and dwarf spruce*

We hope you can visit *Sunset's* headquarters this month while we celebrate our 80th anniversary. You'll find our garden blooming and crowded with landscape ideas. (If you can't manage a May visit, come later. You can walk through our gardens weekdays except holidays, 8 to 4:30.)

The garden was designed for *Sunset* by Thomas Church, the dean of modern Western landscape architects, working with the magazine's garden editors, with some later work by Jack C. Stafford. It is now 27 years old, but some changes have been made along the way.

The 7-acre grounds make up the first of *Sunset's* demonstration gardens (others are in Arizona and Southern California). More than anything else, this garden shows you what some of the finest woody plants (trees and shrubs) offered to Western gardeners look like as they mature. At all seasons, the flower beds, as shown above left, are kept full of annuals, perennials, and bulbs in bloom. The seasonal combina-

Giant tepee *will provide focal point again this year (May 7) at annual camp show. Many visitors here crowd around camp food sampler, others inspect RV's*

DON RICE
GLENN CHRISTIANSEN

Helicopter's view *shows Willow and Middlefield roads, the two buildings, and the 27-year-old garden at the Magazine Headquarters —with its native and typical-plant areas labeled*

BOOK HEADQUARTERS
Visitors enter here
Middlefield Road
MAGAZINE HEADQUARTERS
Willow Road
Site of main camping show displays, May 7
Desert planting
Southern California planting
Native and typical plants of the Pacific Northwest
Central California planting
Menlo Park
San Francisquito Creek
Palo Alto
Northern California planting

Sunset's garden demonstrates how fast plants grow (in many cases since 1951-52) and how plants adapt to the Menlo Park climate

Beautiful *red-spotted gum (Eucalyptus maculosa) stands at entry to book headquarters. Below you see how it looked on planting day in 1965*

tions you see there in summer could be done in home gardens anywhere in the West. The ones you see from fall through spring are useful in California and the low elevations of Arizona.

Along one bank of curving San Francisquito Creek, the permanent plantings present native and typical plants of the Pacific Northwest, of Northern, Central, and Southern California, and of the Desert.

The helicopter photograph on the opposite page shows *Sunset's* main garden, and a portion of our book headquarters building, which also houses magazine circulation and corporate offices. This building does not have a demonstration garden, but has a landscaped central patio. All the other color photographs on these pages were taken in the garden at our magazine headquarters. They were made during the spring months in earlier years.

The garden in spring. This May the annuals, perennials, bulbs, and container plants will differ from what you see in the photographs, but the effect will be much the same. We put on a different seasonal garden show each year.

If you put your eyes where the camera was for the big picture on pages 126 and 127, this month you would see the following in that circular bed at front right: the same iberis (green and white)—a perennial, it lives on and blooms here every year. To the left and behind the iberis: cinerarias at far left and sweet alyssum and blue ageratum in the foreground.

Elsewhere in the garden's flower beds (all of them next to paths) you will see the following plants in bloom: *Alyssum saxatile,* fibrous-rooted begonias, berenia, calceolaria, cynoglossum 'Snowfire' dianthus, lobelia, 'Gold Galore' marigold, tall yellow marigolds mixed with delphinium, myosotis, rudbeckia, and snapdragons.

In late June, some of the spring-dependent plants—chiefly primroses and cinerarias—will be replaced with sure-thing summer performers such as impatiens, petunias, and tuberous begonias.

A detailed garden plan on page 300 shows you where to find each of the larger permanent shrubs and trees in the *Sunset* garden. Some of the trees and shrubs growing there are quite unusual, attractive, and worthy of more push in the retail nursery trade: *Magnolia campbellii, Pinus montezumae, Yucca australis,* and many of the rhododendrons in the Pacific Northwest section.

One special tree planting is the Lane Redwood Grove planted in 1952. You see the redwoods standing tall (70 to 80 feet high) right above the words "Northern California" in the photograph on the opposite page. These trees demonstrate the adaptability and fast growth of coast redwood (*Sequoia sempervirens*).

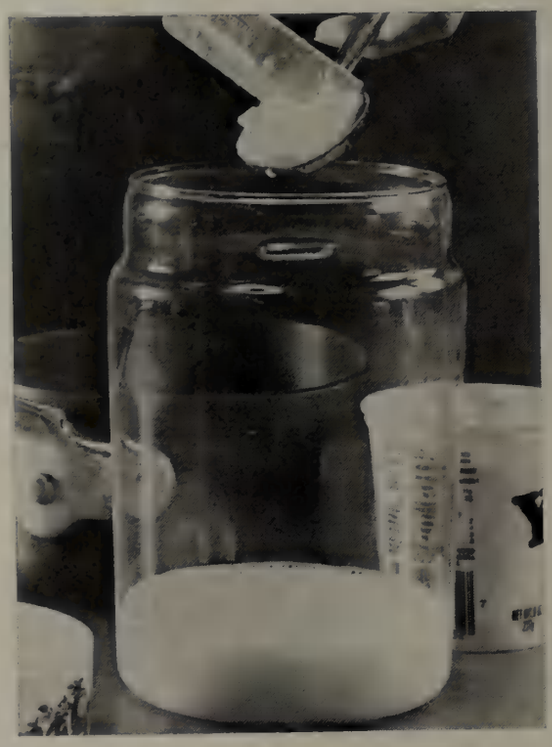
San Francisquito Creek, at the garden's edge, is the border between San Mateo and Santa Clara counties and between the cities of Menlo Park and Palo Alto. It's a dry arroyo in summer, a sometimes deep and fast stream in winter. On the other side of the creek (bottom left and far right in the aerial photograph) is Palo Alto's Timothy Hopkins Creekside Park. Many magnificent old oaks, eucalyptus, pines, cypress, and firs there supply additional high-viewing-angle greenery to the *Sunset* garden.

Sunset's buildings and grounds are on two of the corners of Willow and Middlefield roads in Menlo Park. To get there, take the Willow Road exit from Bayshore Freeway (U.S. 101), about 30 miles south of San Francisco or 15 miles north of San Jose, and drive 1.3 miles west. From Southern Alameda County, take State Highway 84 across the Dumbarton Bridge, which becomes Willow Road west of the Bay.

There are five daily tours (10:30, 11:30, 1, 2, and 3) of the *Sunset Magazine* headquarters building, which was designed by Cliff May. □

Sourdough... the breakthrough continues

Hundreds of readers have written us. Here's our 1978 starter update



Yogurt *is the key to our sourdough starter*

DARROW M. WATT

Five years ago this month, we reported a breakthrough in sourdough baking—a more reliable sourdough starter made with yogurt. Since then we've received hundreds of letters about the starter and sourdough baking. Most report success in getting an active starter going; a few readers have had problems or questions. Thanks to all who have shared their experiences with us, here's our 1978 sourdough starter update. You will find the six sourdough recipes shown at right on page 250.

Our original starter is still alive and well and we use it often in *Sunset's* test kitchens. It has become more active and sour and we think it makes much better bread today than it did five years ago. Sometimes young starters just don't have enough oomph and are best used in quick breads like pancakes and waffles or in breads that call for yeast as well.

Any brand of yogurt will do

Some of our readers who had trouble getting starters going wondered if the brand of yogurt made a difference. It doesn't, since all unflavored yogurts contain the necessary bacteria for sourdough's characteristic flavor. We did find, however, that increasing the amount of yogurt from 1 tablespoon (as in our original starter recipe) to 3 tablespoons helps get the starter going a little bit faster.

Some readers were startled to find mold forming on their starters, but food technologists at the University of California at Davis assure us that the mold is harmless and similar to the type that forms on cheese. It's caused by mold spores in the air that settle just about anywhere. Their advice is to scrape it off, rinse utensils in hot tap water before stirring the starter, and avoid opening the container more than necessary.

Finding the right warm place

Temperature is still the main variable, and some readers have had trouble finding a nice warm place to put their starter while it becomes sour and bubbly. Ideally, your nook should be between 80° and 100°. Some good spots are on top of water heaters, refrigerators, near a gas range burner or pilot light, or any partially enclosed area where heat collects.

The light in an electric oven can provide just enough heat too. Adjust oven racks so the container is 2 to 2½ inches below the light. Turn the oven on for a minute or so—just until the air inside feels a little warmer than room temperature—then turn oven off. Place the starter in front of, but not touching, the light. Close the oven door and turn the light on, or prop the door open so the light stays on.

Some of our readers devised their own ingenious warm spots using waterbeds, heating pads, and blankets. Don't put your starter out in the sun, however; it can get too hot.

Look for bubbles frequently

Check your starter often. Sometimes at night or while you're away, it can bubble up, then deflate, making it hard to

Sunset readers get the credit *for these sourdough recipes—coffee can bread, rolls, coffeecake, crêpes, Finnish rye bread, refrigerator bread*

tell whether you have an active starter going. An easy test is to spoon out about ¼ cup of the starter and mix it with ½ cup *each* warm milk (90° to 100°) and flour. Cover and let stand in a warm spot. Check often; it should be bubbly again in 4 to 8 hours. You can combine this mixture with your original starter.

Sourdough Starter 1978

Rinse a 1½-quart glass, ceramic, rigid plastic, or stainless steel container with hot water for several minutes; wipe dry.

Heat 1 cup skim or low-fat milk to 90° to 100° on a thermometer. Remove from heat and stir in 3 tablespoons unflavored, low-fat yogurt. Pour into the warm container, cover tightly, and let stand in a warm place (see preceding suggestions).

After 18 to 24 hours, the starter should be about the consistency of yogurt (a curd forms and it does not flow readily when container is slightly tilted). If clear liquid rises to the top, simply stir it back in. But if the liquid is pink, discard starter and begin again.

After curd forms, stir in 1 cup unsifted all-purpose flour until smooth. Cover tightly and let stand in a warm place (80° to 100°) until mixture is very bubbly and sour-smelling (2 to 5 days).

During this time, if clear liquid rises to the top, stir it back in. If liquid is pink, spoon out and discard all but ¼ cup of the starter, then blend in a mixture of 1 cup *each* warm milk (90° to 100°) and flour. Cover tightly and let stand again in a warm place until bubbly and sour-smelling. Cover and store in the refrigerator. Makes about 1½ cups.

To maintain an ample supply, replenish your starter every time you use it with equal amounts of warm milk and flour. For example, if you use ½ cup starter, blend in a mixture of ½ cup warm milk and ½ cup flour. Cover and let stand in a warm place several hours or overnight until it is again full of bubbles; then cover and store in refrigerator. If you don't bake regularly, replenish your starter with equal amounts of warm milk and flour about every two months. □

Three who grow for both fun and profit offer lively ideas for cut flower fanciers

Diversity is what gives a bouquet that charming, fresh-from-the-woods-or-garden look. Blending cut flowers of every imaginable shape, hue, and variety gives almost endless possibilities for an artful arrangement.

But when you indulge a passion for growing flowers, you soon have more than family and friends can use. Here we introduce three young neighbors from Santa Cruz, California, who've developed a pleasant and profitable business with their excess bouquets. They grow and arrange over 100 kinds of cut flowers on their adjoining property, delivering them May through November to local restaurants, offices, a Saturday afternoon flower booth, weddings, and other celebrations.

For Ruth Ann Birkman, Nancy Lingemann, and Marcia Lipsenthal, flower gardening satisfies the need for exercise, companionship, extra income, and day-care for their young children.

Here they share their expertise in growing and using cut flowers.

And what better way to celebrate the return of abundant water than with an explosion of flowers? You can plant them in tubs, small clumps, or wide swaths, from seeds or nursery bedding plants. Most need full sun, ample water, well-drained soil, and frequent attention. During bloom season, you'll need to clip dead flowers almost daily.

Seven cutting favorites

Following are some of the flower ladies' favorites to try this month. Unless otherwise noted, all have a cut life of at least a week. Annual kinds can be started from seeds in containers or in the ground this month for bloom in late summer or fall. In short-summer areas, your choice is limited to fast-maturing kinds or seedlings from nurseries. Seeds of all but summer chrysanthemums are available from Park Seed Co., Box 31, Greenwood, S.C. 29647. Summer chrysanthemums and some varieties of all others listed here can be ordered from Burpee Seed Co., 6350 Rutland Ave., Riverside, Calif. 92502.

Asters. The bed of 'Princess Improved' in the lower left color photograph shows typical color range. The fluffier, darker kind in the lower right corner of the picture at far right is 'Massagno Cactus.' Most asters are showy and prolific bloomers, but quite slow to start. Dwarf varieties are a bit faster.

Dwarf dahlias. Unwin dahlias available now at nurseries come in a wide range of subtle colors. Pompon types have the longest cut life. Seeds of some of the fastest-growing dahlias bloom about as quickly as zinnias: 'Rigoletto' and 'Redskin' have double flowers 2½ to 3 inches in diameter; 'Annette' is a single dahlia about 4 inches across. All three are about a foot tall. Whether you start plants or seeds, dahlias form tubers that come back each year in mild-winter areas. Elsewhere, you must lift them in fall and replant in spring.

Gaillardia. Fluttery petals with a pinked edge come in a cheerful mixture of reds and yellows. Both the "annual" and perennial types are prolific bloomers about 2 feet tall that may produce for several years in mild climates. Whether you sow the perennials now or in fall, they won't bloom until next spring. The annuals are also slow to start. Some nurseries offer plants of both types.

Summer chrysanthemum. The daisylike flowers 2 inches across are ringed with bands of white, yellow, and burgundy. There are a dozen scattered through the bouquets shown at far right. Three-foot plants bloom profusely until frosts; they do best where summers are cool.

Sunflower. 'Color Fashion' has 6-inch yellow flowers with big, dark centers. A few have orange to mahogany shading. Flowers are shown at upper left of the mixed bouquet photograph and on page 299. Plants are 8 to 10 feet tall. Other good cutting varieties include 'Dwarf Sungold,' a 1½-foot plant with 5-inch double blooms, and 'Italian White,' a 4-footer producing 5-inch white flowers with a yellow ring around the eye. Sunflowers make mammoth bouquets that last about 5 days. They're easy to grow, even in average, somewhat dry soil.

Tithonia. This Mexican sunflower has 3-inch fiery orange single flowers with a yellow center. As shown in the upper left photograph opposite, plants are sizable; thin or transplant them 18 inches apart. Cut life is 4 to 5 days.

Zinnia. This is one of the fastest, easiest flowers to start from seed. The small-flowered kinds look less formal. Try 'Chippendale,' a 1½-inch single flower with rounded mahogany petals tipped in yellow (see center of bouquet photograph at lower right) and 'Old Mexico,' which has similar coloring but is double with pointed petals. Both plants grow about 2 feet tall.

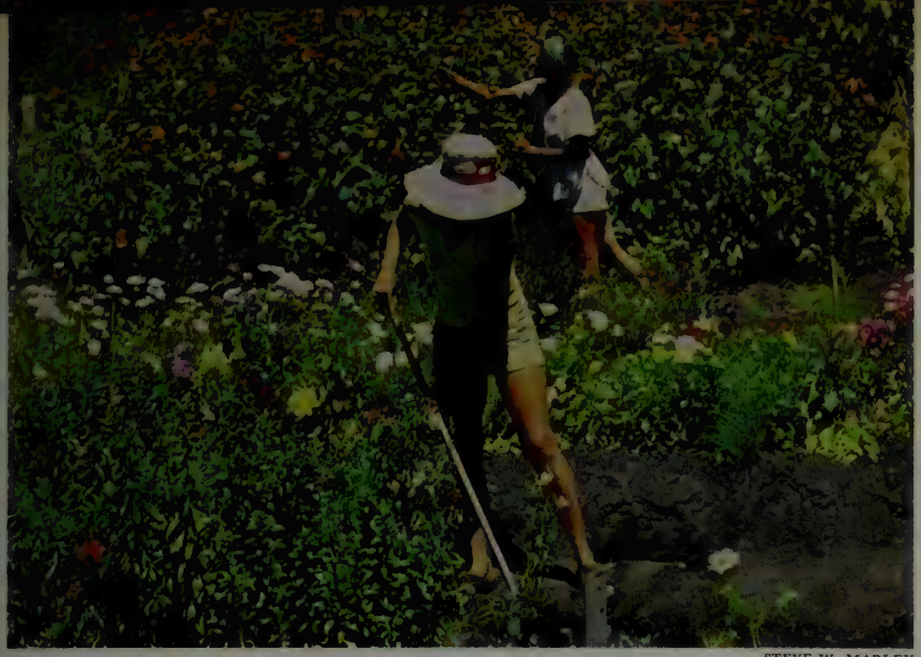
Three other choice flowers for cutting are shown and described on page 298.

Cutting flowers is an art

A flower's age is betrayed by its center, which opens and loosens each day. For bouquets, cut only 1 or 2-day-old flowers of most kinds. Zinnias are an exception; most last longer if you cut after central petals uncurl and a few anthers unroll.

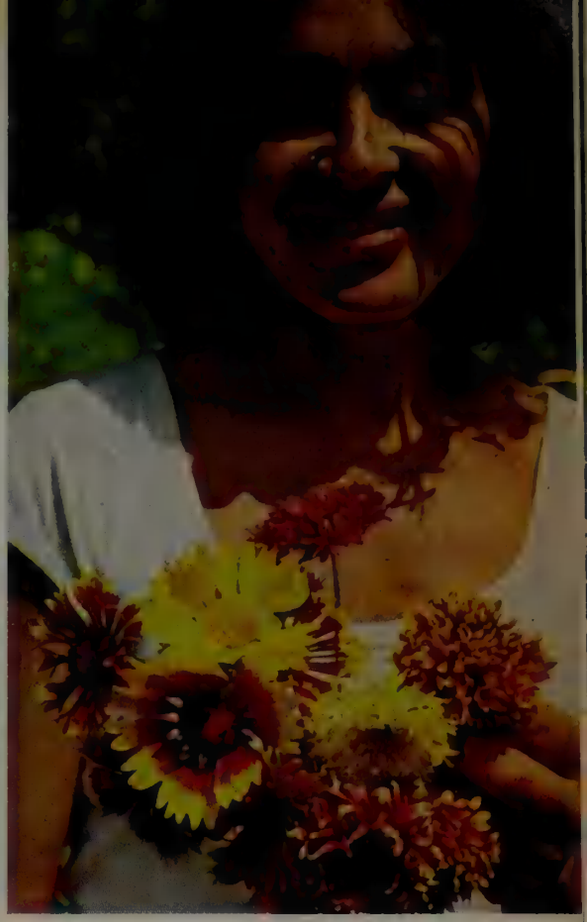
Regrowth that originates too far from the roots, or from a leaf axil that's already produced several stalks, is usually spindly. So cut stems of generous length, even if it means sacrificing some buds. Or leave short-stemmers and older blooms for garden display and cut blooms that follow in longer-stemmed sprays. If there's no bud below a spent flower, cut to a leaf axil near the center or base of the plant to encourage healthy new growth.

Strip off leaves and shoots that will be below the water line as you cut or when you arrange the flowers. Recut stems an inch shorter every 1 to 3 days to prolong flower life. □



STEVE W. MARLEY

Reworking raised beds *to replant several times a year gives almost year-round bloom in Santa Cruz. Orange 5-footers in rear are tithonia, then salpiglossis, asters, snaps*



Gaillardias: *Singles are grandiflora perennials; doubles are annuals, 'Lollipop Mix.' Both may bloom through mild winters*

Cut and plunge *freshly opened flowers into water during cool part of day for longer life. These are Aster 'Princess Improved'*

Just-cut *flowers in cans and bottles of water stay fresh in shade until arranged in tall cups of flower preservative. Most will last a week*

Can you find all the Sears Kenmore Microwaves in this picture?

A. Sears Best Kenmore Countertop Microwave

B. Sears [illegible] microwave [illegible] or electric [illegible]

C. Sears Kenmore Combination Micro-Electric Range, ceramic or coil cooktop

A[illegible] in most Sears retail stores

If you think all Kenmore Microwaves are countertop models, take a closer look

Kenmore Microwaves now come in three basic designs.

Familiar countertop models give you the greatest variety of prices, features, and sizes.

The Kenmore MicroClassic has a microwave above with either a gas or electric range below. This saves counter space and makes it easy to see what's cooking.

The Kenmore Combination Micro-Electric Range is an extraordinary design that combines the advantages of both microwave and conventional cooking.

The Amazing Combination Micro-Electric Range

A dramatic new development in Kenmore Microwaves combines a microwave and electric oven/broiler in what looks like a conventional range.

You can use either the microwave or conventional oven separately. *But the real news is that they're also designed to work together, simultaneously, in the same oven cavity.*

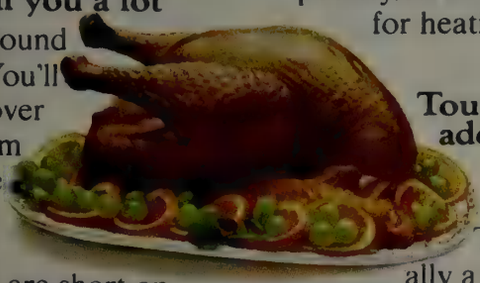
"Combination cooking" is remarkably simple—you don't need special cookbooks. The oven cooks at the same temperatures your recipes have always called for, while the microwave works right along with it.

It's just like roasting in your conventional oven, but for many foods *in an astonishing one-quarter the time.*

Which Kenmore Microwave is right for you? The facts below, and the chart, will help you decide.

The layout of your kitchen can tell you a lot

Take a look around your kitchen. You'll probably discover you've got room for a Kenmore Countertop Microwave.



But if you are short on counter space, consider replacing your range with either the Kenmore MicroClassic or Combination Micro-Electric Range.

Do you need a temperature probe?

Many Kenmore Microwaves come with a temperature probe. Think of it as an *automatic* cooking thermometer. When the desired temperature is reached, the microwave automatically shuts itself off.

You can cook roasts, casseroles, and soups to correct temperatures for the "doneness" you want. You can even warm a baby's bottle to exactly the right temperature.

A choice of power settings is useful

On the Kenmore Microwaves with Multi-Power, different power settings work like the different temperatures on your conventional oven.

Lower settings defrost, simmer sauces, keep dinners warm.

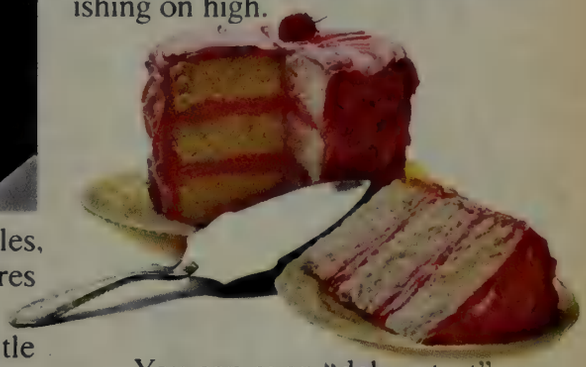
High power settings are best for cooking vegetables, fish, and poultry, for heating small items, and for heating beverages.

Electronic Touch Control means added convenience

A Kenmore Microwave with Electronic Touch Control is actually a solid state computer. The touch of a finger on its glass keyboard puts a remarkable Two-Stage Memory in motion.

You can program a Two-Stage Memory to defrost a turkey at a lower power, then automatically begin cooking at a higher setting.

You can help a cake rise evenly by starting on lower power and finishing on high.



You can even "delay start," so a casserole left in the microwave will begin cooking, say, a half hour after you put it there.

Kenmore Models	Multi-Power	Power Control	Timer	Temp. Probe
Sears Best Countertop Microwave	✔	Electronic Touch Control	✔ Two-Stage Memory	✔
MicroClassic Microwave above with gas or electric range below	✔	Mechanical	✔	✔
Combination Micro-Electric Range	✔	Mechanical	✔	

A visit to Sears will help even more

You're now armed with enough of the basic facts to start thinking about which Kenmore Microwave is right for you. Visit Sears and take a close look at all the models. Ask for a demonstration.

You'll find there's a Kenmore Microwave equipped and styled the way you want it.

When you're ready for a microwave, Sears is the place to find it.

Kenmore. Solid as Sears

©Sears, Roebuck and Co. 1978

The Changing Western Home®

What's your roof's "R"?

The thermal resistance of a material is stated as its R value. The higher the R rating, the more insulative the material. A large percentage of your heat loss or gain is through the roof (warm air rises). If you are thinking about roofing this spring it might be worth considering the R value of various roofing materials. According to the *California Energy Design Manual*, here's how they rate:

Heavy handsplit cedar shakes	1.69
Cedar shingles	.87
Built-up (tar and gravel)	.78
Asphalt shingles	.44
Asbestos cement shingles	.21
Slate	.05

To keep these figures in perspective, note that 6 to 8 inches of fiberglass insulation in your attic has a value of about R-19.

These panels piv

Phoenix architect Logan van Sittert wanted to enjoy his living room view from his second-story bedroom. He also wanted the option of separating the rooms totally, so when he designed his house he included this trio of pivoting baffles that can totally close off a 7-by-10-foot opening in the wall.

Each panel is framed with 2 by 4's, in-

Renewing worn, stained cooktops and tubs

Chipped and stained rangetops, oven doors, sinks, and old tubs can be coated with a new finish that can be as attractive and durable as the original.

Reporcelainizing repeats the original coating process; pigment-tinted glass particles are sprayed onto a sanded steel or cast-iron item, then "fired" in a 1,450° furnace to fuse the glass to the surface. A new porcelain finish on a cooktop like the one shown at right below should cost about $40.

Reglazing, the tub or sink recoating process, is more like painting. The tub is chemically washed, sanded with a silicon-carbide disk, then sprayed with two or three coats of primer and two or three coats of hard plastic coating. It dries to about 90 percent of the hardness of porcelain over a period of 90 days; you can use it in seven.

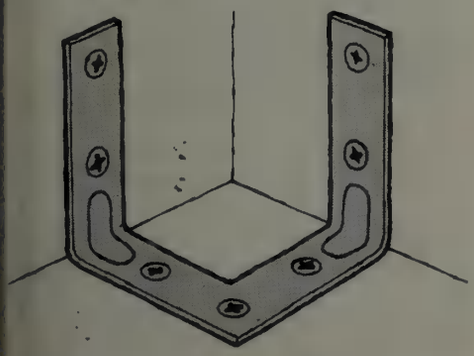
Costs range from $150 to $350 depending on the type of tub. The work can be done with the tub in place, or you can bring it in to some shops. Many colors are available. For a contractor in your area, look in the yellow pages under Appliance Refinishing or Bathtub Repairing and Refinishing. The photographs shown below were taken at Porcelain Patch and Glaze Company, Oakland.

Check the reputation of the firm you're dealing with. Work flaws will show up six to nine months after recoating. Ask to see a job that was done over a year ago. One sign of good work is no chipping around the drain.

DAVID STUBBS

rivacy

ated with fiberglass batts, and clad h the same rough-sawn cedar panel- that covers adjacent walls. A top w of the 5½-inch-thick panels re- ls that each is actually a parallelo- m; they could not clear each other butt together tightly if they were angular. They swing on heavy pivot ges mounted top and bottom.



Help in your corner

Stanley Hardware has just introduced a simple little metal brace designed to strengthen corners. These 2-inch braces can be screwed in any place where three surfaces meet at right angles. They're ideal for reinforcing planters, drawers, shelves. Cost is about $1 each.

DON NORMARK

Exposed ducts save time and money

If your remodeling plans include duct work, you might think about letting it all hang out. That's how Phoenix architect William P. Bruder handled the heating and cooling system in a recent remodeling job. Rather than trying to conceal 64 feet of mechanical components, he used standard galvanized ducts to create a piece of sculpture that runs under a long skylight the width of the house.

The system was "sized" by a heating expert and hung from threaded rods by home owner Jim King. Instead of registers, six-bladed adjustable dampers inserted in the distribution arms control air flow. The total cost of the ducting was $570.

PETER O. WHITELEY

Slate floor look-alike for under $1 a square foot

Using inexpensive vinyl tiles and a thin coat of grout in the joints, Bob Gawlick and Orlene Chartain of Palo Alto, California created the look of a random-patterned black slate floor for a fraction of the cost.

Unlike real stone, the slate-textured tiles require no highly specialized equipment for laying, or any extra floor bracing—sometimes necessary to support heavy slate slabs.

To lay this type of floor, rent or borrow a tile cutter where you buy your tiles and cut them into random-sized rectangles (see photograph above left). Space tiles ⅜ to ½ inch apart and affix them with a tile adhesive.

When applying the grout (antique white was used here), use a small trowel and your thumb, and avoid getting it on the soft vinyl, as it might scratch. If some grout does remain on the tiles, wait for it to dry, then wipe off with a wet sponge.

Sewing center façade *looks like two doors and four drawers. They open to reveal countertop for sewing machine, storage areas above and below, a pegboard rack, and even a mini-bookshelf at top right*

The doors open to reveal a sophisticated sewing center. Closed they conceal disorder

Hidden *under the countertop, 8-inch-wide ironing board swings out for light ironing during sewing projects*

Drawing on her years of sewing experience, Carol Andrews of Cupertino, California, designed this movable unit that puts everything she needs within easy reach. When unexpected visitors arrive, she just closes the doors—and the sewing center becomes a handsome armoire.

The cabinet, built by her husband and uncle, is made of ¾-inch plywood with pine molding on the top and doors; it's 6 feet high, 4 feet wide, and 20 inches deep, not including the doors. It is wired for a fluorescent light above the countertop, and has outlets in the pegboard and under the counter.

The pegboard, mounted on 2-inch-thick spacers to allow room for the outlet, displays thread and scissors. Above the fluorescent light is a 15-inch-high storage area for fabric and unfinished projects.

Flanking the seating area are six drawers sized for specific needs: deep drawers for patterns, shallower ones for zippers, buttons, seam bindings, pincushions, measuring tapes, and seam rippers.

Mrs. Andrews incorporated a swing-out ironing board into a narrow space under the countertop. The 43-inch-long board has a hinged support leg so she can just turn to press seams flat as she sews. When not in use, the iron is stored in a bracket mounted on the door. □

BIGGER IS SAFER, RIGHT? WRONG.

"How safe do you feel in your car? Very safe? Safe? Unsafe?"

When K. M. Warwick Marketing Research asked a nationwide sample of new car buyers that question, 90.8% of the people who owned Volvo wagons answered "very safe."

These Volvo wagon owners felt safer than the owners of 57 cars—small, medium and large—from G.M., Ford, Chrysler and AMC.*

There are no studies which prove that a Volvo wagon is safer than bigger cars. But when you drive a Volvo, you'll understand why people *feel* so safe.

You'll notice the overall sense of strength and solidity a Volvo offers. The all-around visibility. The feeling—thanks to rack and pinion steering and a spring strut suspension—of being in complete control of a car.

You'll also be riding secure in the knowledge that Volvo has been a pioneer in automotive safety. So much so that the U.S. Government has studied Volvo's safety characteristics to help establish safety standards for cars of the future.

So if you're looking for a station wagon that's big enough to hold a family of five (and their luggage) comfortably, you have a basic choice.

You can buy a wagon that was designed primarily with bigness in mind.

Or one that was also designed to be safe.

*Survey conducted among owners of new cars bought in May, 1977.

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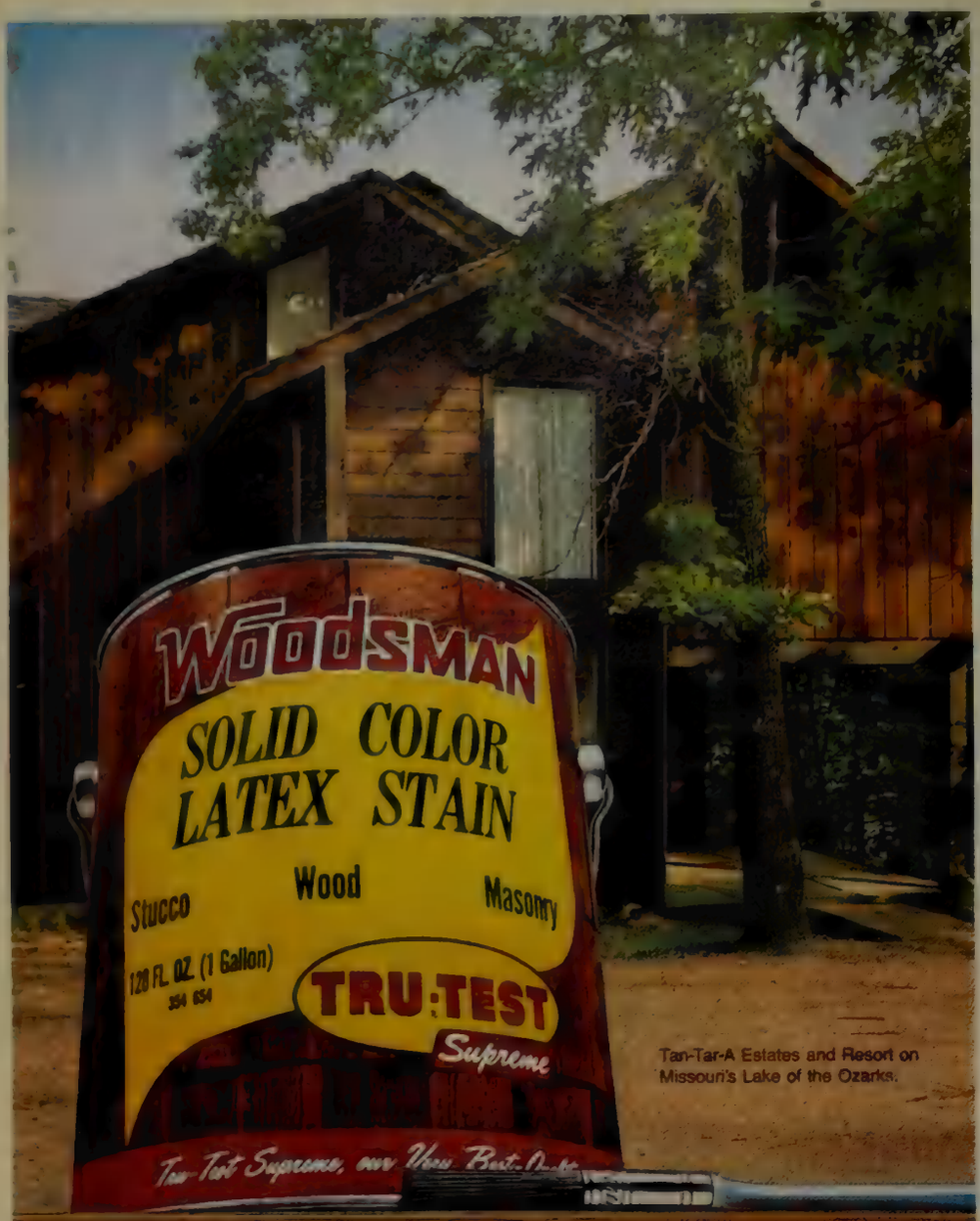

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DON NORMARK

Square *oak faucet knobs match the oak trim surround of mirror and counter*

Bathroom knobs and bars in oak

Oak faucet knobs and towel bar brackets match the oak trim in this bathroom designed by Lawrence Simons and Associates of Santa Rosa, California.

The knobs are 2-inch cubes of oak; the brackets are 1½ inches square by 3½ inches long. Before assembly, lightly sand blocks to round edges, then finish with matte polyurethane.

To attach knobs, first remove the stock faucet handle, revealing the spline. Measure its diameter and drill a matching hole centered in the bottom of each block. Attach with epoxy.

The towel bar shown below is 1-inch pipe encased in a chrome-plated brass cover tube (a stock item in plumbing supply houses). It's 33 inches long; the brackets are attached to the studs.

Drill a 1-inch hole ½ inch deep, ⅞ inch in from the end of each bracket, to receive the bar. In the room-facing end of each bracket, drill a 1-inch hole an inch deep and continue a pilot hole for the woodscrew through to the opposite end. Mount towel bar in the brackets and attach each to the wall by a 3½-inch woodscrew, through the block and into the stud. Then plug holes by gluing in ½-inch-long rounds of 1-inch hardwood doweling. □

Strong *towel bar is made of chrome rod set between oak wall brackets*

The picture is Hawaii. Hyatt adds the color.

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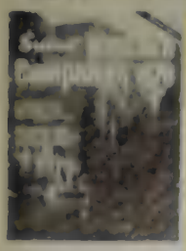

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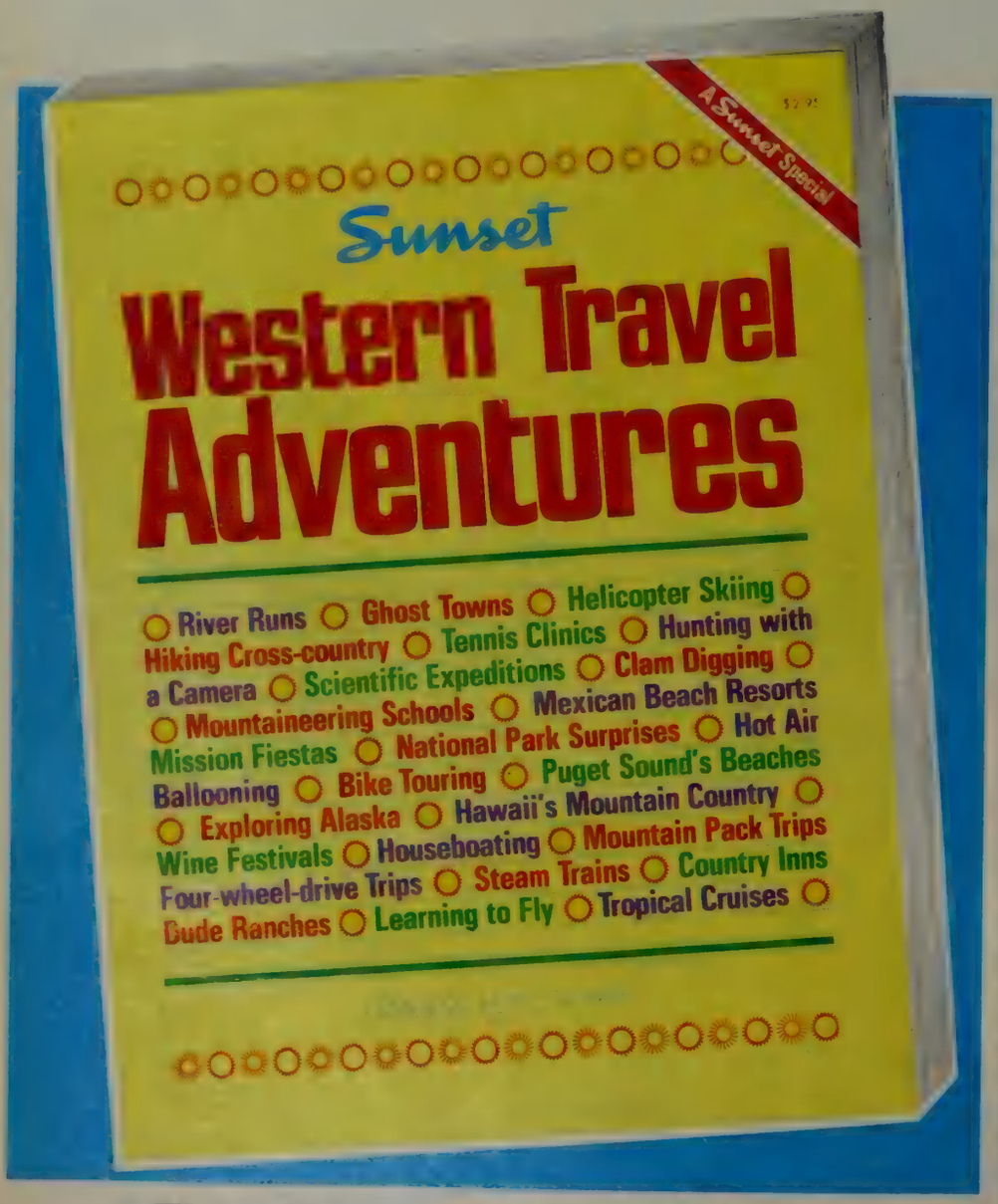

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At bookstores and newsstands—$2.95

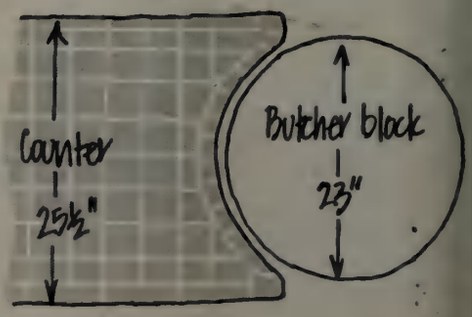
PETER O. WHITELEY

There's room *for workers and watchers too where the tiled counter wraps around the chopping block*

Kitchen island hugs butcher block

This big butcher block was a grand wedding present, but architect Jim Caldwell of Woodside, California, was hard put to find a place for it in the kitchen of his new home.

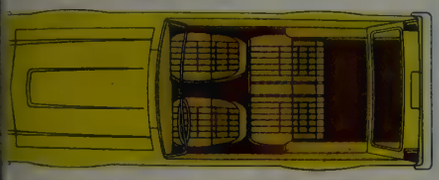
His solution was simple: The block now nestles in a rounded nook he built into his 7-foot-long, freestanding kitchen island. Now food can be washed at the



island's sink (out of sight in the picture above), then easily moved to the block for cutting. The tile-covered island is slightly higher and wider than the 34-inch-high, 23-inch-wide block. Caldwell cut standard tile edging into 1½-inch lengths to match the concave opening. □

THE NEW MONZA WAGON.
ROOM, ECONOMY AND A SURPRISINGLY LOW PRICE.

he new Monza is an ideal wagon or young or small families. And it's ll of surprises.



It seats four in comfort, with room ehind the rear seat for up to 26.5 ubic feet of cargo. That's more han the trunk space in any large edan.

With the rear seat down, you have nore than 46 cubic feet of space. nd the load area is nearly four eet wide and over five feet long.

EPA ESTIMATES

34/24

HWY CITY

Monza also offers pleasant news bout gas mileage, as you can e by the figures above. No other nall American-built wagon beats onza's mileage ratings. Those are PA estimates with the standard 151 Cu. In. cast-iron 4-cylinder powerplant and 4-speed manual transmission. (Estimates lower in California. Your mileage will vary depending on how and where you drive, your wagon's condition and available equipment.)

4 CYL. OR V6

And Monza Wagon offers you a choice of powerplants. Besides the standard 151 Cu. In. Four, there is an available V6.

(Monza Wagons are equipped with GM-built engines produced by various divisions. See your dealer for details.)

The new Monza Wagon has two more surprises in store: A wealth of standard equipment. And a surprisingly low Manufacturer's Suggested Retail Price of just $3698 including dealer preparation. Priced higher in California. Taxes, destination charges, license and available equipment not included.

$3698

MONZA WAGON STANDARD FEATURES:

- Cast-iron 151 Cu. In. 4-cylinder engine
- 4-speed floor-mounted shift
- B78 bias ply white-stripe tires
- Full wheel covers
- Bumper rub strips and bright moldings
- Front disc/rear drum brakes
- Full Coil suspension
- Torque arm rear suspension
- High Energy Ignition system
- Delco Freedom battery never needs water
- Molded full-foam high-back bucket seats
- Color-keyed cut-pile carpeting in passenger area
- One-piece molded headliner

Chevrolet Wagon Stop

Check out the new Monza Wagon at your Chevrolet dealer's Wagon Stop.

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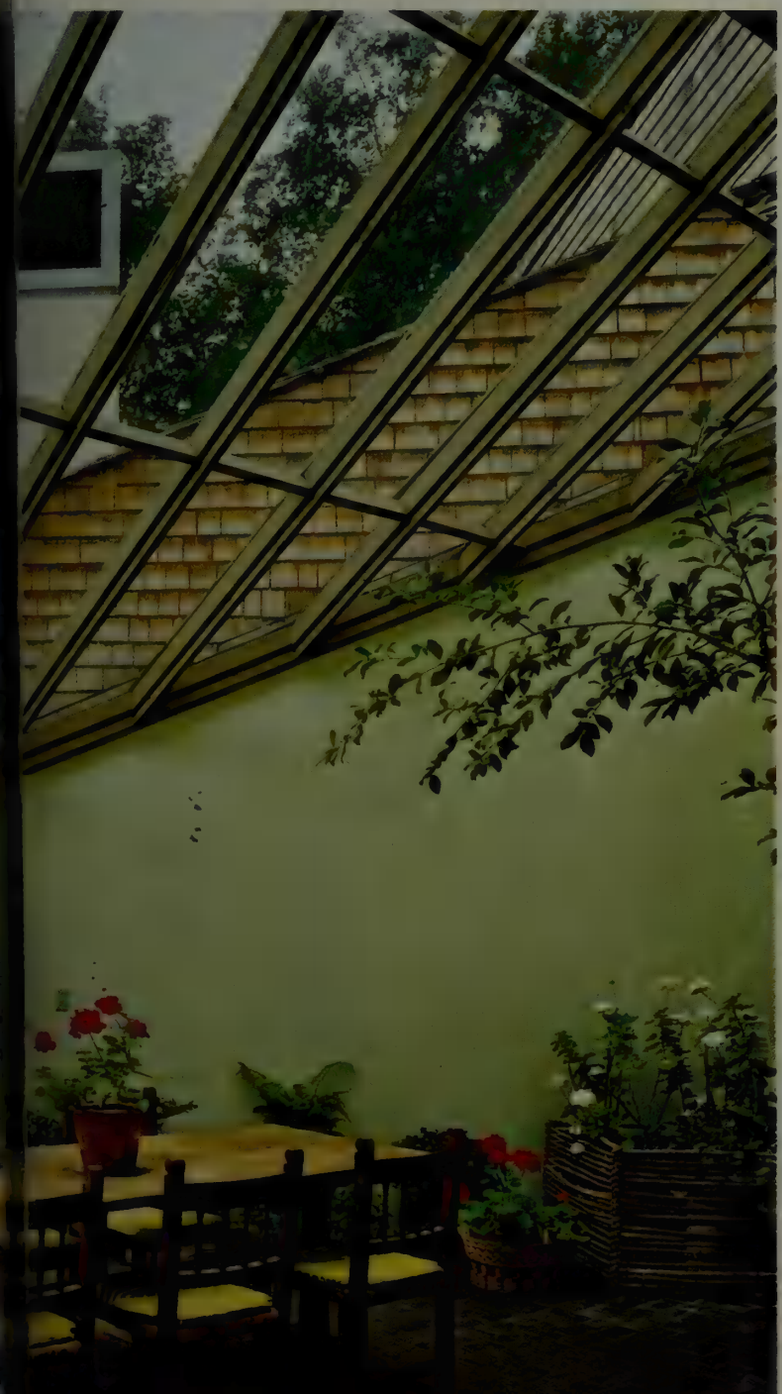


BANK OF AMERICA N T & S A

DARROW M. WATT

Homemade kitchen *is now light and cheerful work space with bank of new windows*

Brick chimney *was exposed during remodel. Iron grille hides stovepipe opening*

Drawer pulls *are inexpensive ceramic electrical insulators*

Owners did over the kitchen, halved the cost

Updating an old kitchen can be costly, time consuming, and downright inconvenient, but sometimes it's all that's needed to make an old house livable.

Sandy and Jerry Peters liked everything about their 1920s house except its dark, dingy old kitchen. With the help of architect Linda Ludden Mathews of Palo Alto, California, they labored 4½ months to remodel it. Jerry did the construction while Sandy looked for good buys on materials. (Her determined shopping for maple-block counters shaved the price from $900 to $360.)

Their joint efforts paid off in more than satisfaction: They managed to finish the remodel for less than half the cost estimate of a building contractor.

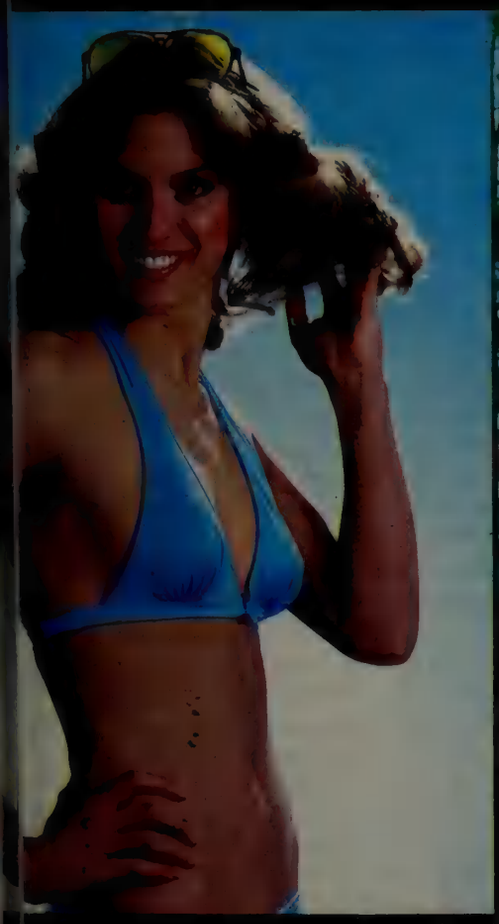
Many small savings added up to a surprisingly large figure. For example, open shelving (cheaper than closed cupboards) was inexpensively braced with angle irons concealed by routing grooves in the shelves.

Under layers of linoleum, they discovered a fine old fir floor; refinishing it with polyurethane cost less than [illegible] vinyl. And with the money saved, the Peterses were able to indulge in a few luxuries—like a commercial gas range. □

Breakfast room, *open to kitchen, was once a crowded service porch. Sandy Peters laminated fabric on blinds, made lampshades*

Come share

are our breathtaking scenery, our most beautiful Lake in the World, crisp, clear, clean air. the summer share our wooded trails and tennis courts and golf courses and beaches. d in the winter share our famous ski slopes. And all year 'round share our special Nevada le fun. Incline at Crystal Bay, Lake Tahoe . . . a special kind of place, especially for you.



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SU2

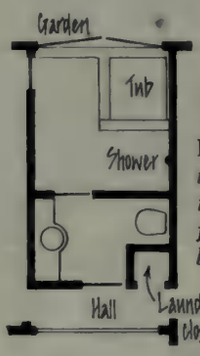
duced in cooperation with the Reno/Sparks Convention Authority.

Delightful bath is small but reaches high

High-ceilinged *garden bath provides ideal conditions for tropical hanging plants; here you see a spider plant and a staghorn fern*

DON NORMARK

Because basin is round *it seems less of an obstacle to passage through the room*



Entry *from the hall is by a sliding door; there's also access from a neighboring bedroom*

Though minimal in square footage, this bathroom complex designed by architect Charles W. Moore and Richard Chylinski deserves careful study. Besides fulfilling all the usual functions, it manages to celebrate the joys of bathing and showering as well.

Open to a small, sunny Southern California garden, it doubles as a changing room for swimmers. The inner space containing the washbasin and toilet can serve separately as a powder room and can be reached from an inside hall. And notice in the plan how the hallway linen closet that nips off one corner of the 4 by 6-foot powder room is used to advantage—it sets the toilet off into an alcove.

The bath-and-shower room seems more generous in size than its 6 by 8-foot floor space would indicate. The ceiling is 16 feet high. A high window floods the room with light, and double glass doors open to a small, sunny private patio and garden.

Since the tile floor and walls are impervious to water, the shower room can be left entirely open. The tile-lined sunken bath is set into a 4-foot-square enclosure and is 3½ feet deep.

A standard glass shower door separates the bath-and-shower from the rest of the bathroom. A wall-to-wall mirror over the washbasin makes this part of the room seem larger. Between it and the hall, a sliding door that pockets into the wall also helps put the small space to best use.

Though the washbasin protrudes into the room, it doesn't really obstruct passage to the bath-and-shower. Set in a 4-foot-long counter topped with white plastic laminate, the basin has closed storage shelves on both sides and below. A barrel-shaped fixture of stained glass above the mirror is the room's light source. □

Building or Remodeling?

Pella's free folding door booklet is full of ideas

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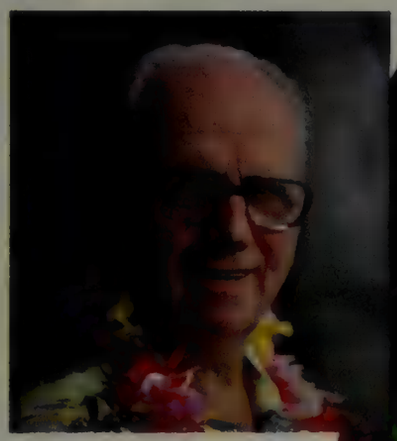
All the photographs of sunrises in the world cannot compare to seeing one in person, off the West Coast of Maui.

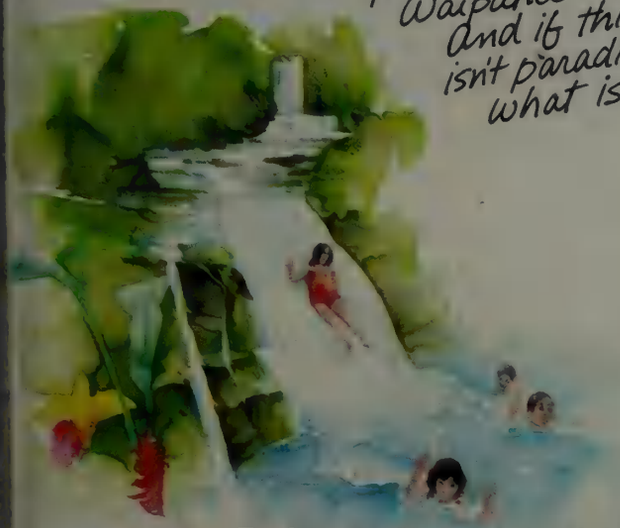
"Take a little car—and a little imagination—and discover your secret paradise in Hawaii."

James A. Michener



Hawaii is a very personal place. It's many different things to the many different people who travel here. Take a car and the time to explore it. And you can find a paradise you can call your own.

What joy! To slide down a waterfall into a tropical pool. You can do it at Waipahee Falls. And if this isn't paradise, what is?



From the lush green jungles of Kilauea Iki you can enter the cool darkness of the Thurston Lava Tube, a beautiful and eerie trail cut through the mountain eons ago by a river of hot lava.

Explore the Hawaii behind the beaches. There's no better way than with one of United's many fly-drive vacation plans. For information and reservations, call your Travel Agent or United.

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NORMAN A. PLATE

Fool-the-eye-bed *isn't one piece of furniture, but three nearly identical units with lots of hidden storage beneath the sleep platform*

In midconstruction. *Three modular units get sanded before final assembly*

Much more than a comfortable bed. There's storage under. It's easily moved

The owners of this platform bed wanted the space beneath to be completely usable for storage, and they wanted a bed that wouldn't be a back-breaker in any future move. Their solution: three modular units, each with two roomy drawers. When the units are aligned, a 1-by-4 rim screws to the platform to hold everything in place.

A 60 by 80-inch queen-sized mattress determined the size, which allows for tucked-under bedding. The project took five 4 by 8-foot sheets of ¾-inch fir plywood, plus a sixth sheet with oak veneer for drawer faces and one end piece. (Allow for ⅛-inch saw kerf when laying out cuts on plywood, and make trial fittings when possible.)

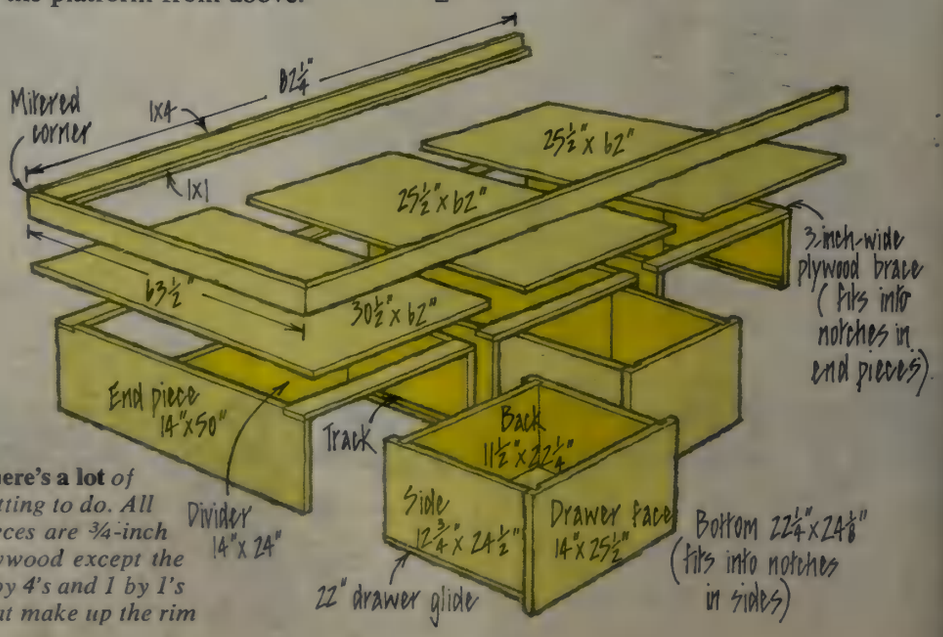
To make each double-drawer unit strong, a center divider was screwed to the two end pieces with eight flat L brackets, and 3-inch-wide plywood braces were glued and nailed into notches cut into each top corner.

Drawer pieces were glued together: Back and bottom fit in ¾-inch-wide, ⅜-inch-deep dadoes in the sides, ½ inch from the edge; sides fit in similar dadoes 1¼ inch from the drawer face edge. (Before gluing, assemble all pieces in a dry run to check fit.) Drawer edges that will show at the foot of the bed were finished with a glued strip of oak veneer cut away from the plywood (veneer tape could also be used).

After drawer tracks and glides were mounted, the platforms were nailed in place. Touching drawer edges were trimmed and sanded to allow at least 1/16-inch clearance between faces.

Oak 1 by 1's were glued and screwed to the inside of each 1-by-4 rim, ¾ inch from the lower edge, and then screwed to the platform from above. □

Big drawers *slide open on heavy-duty ½ by 22-inch full-extension glides; note oak veneer on drawer face and visible edge*



There's a lot *of cutting to do. All pieces are ¾-inch plywood except the 1 by 4's and 1 by 1's that make up the rim*

THE '78 FORD BRONCO.

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Built Ford Tough

FORD
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GLENN CHRISTIANSEN

Center of action *is carpeted area. Storage counter doubles as sitting perch*

Phone center *is only one possible use for carpeted built-in. It's 79½ inches wide 24 inches deep, and is 3 feet from the lounge seen at left*

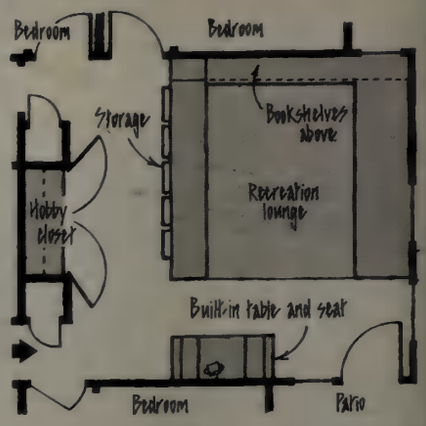
It's both crossroads and buffer zone

A recreation room for young people can be a difficult challenge for an architect. Since interests change almost weekly as the youngsters grow, the kinds of furniture and equipment that seem suitable now may not be next year.

Architect Jam Wong of Seracuse Lawler & Partners of Denver designed the 16 by 17-foot room you see here for the four children of Daniel and Sheila Teitelbaum. He placed it right between the girls' bedrooms and the boys' bedrooms—a buffer zone and meeting place.

Most of it is "recreation lounge," a three-level, 11 by 12-foot carpeted area that can be a stage, a place to exercise, dance, play games, read, lounge about and talk or listen to music. Track lighting in the ceiling is adjustable. High bookshelves aren't in the way. The carpet-topped counter has cupboards and drawers to hold games and projects.

Along the opposite wall is a built-in table and seat unit that's also entirely



carpeted—for sitting over, under, or on It and the raised floor are supported b frames of 2 by 2's and 2 by 4's covere with ½-inch plywood, with tough pil carpeting glued on top.

Nearby, a hobby closet encloses a 60 inch-long, 24-inch-wide work counte with drawers below, adjustable shelve above. Projects can stay spread out o the counter, since double doors clos across the front to hide it all.

"A log building comes as close to optimum thermal design as any type of normal construction."

Jay McGrew, Ph.D. President, Applied Science and Engineering

Everyone is concerned about conserving energy and heat-cooling dollars. What Dr. McGrew, noted expert in the field of thermodynamics, is saying is that solid wall construction is as efficient a system available for conservation of home energy as any type of construction. But, that's only one of the beautiful benefits of the Justus home. Consider the design flexibility of the patented pre-cut system, the warmth, natural beauty and low maintenance of Western Red Cedar, and you'll begin to why more and more homebuyers are choosing a Justus home. Send $4 for our 44-page color catalog. Or better, visit the dealer nearest you.

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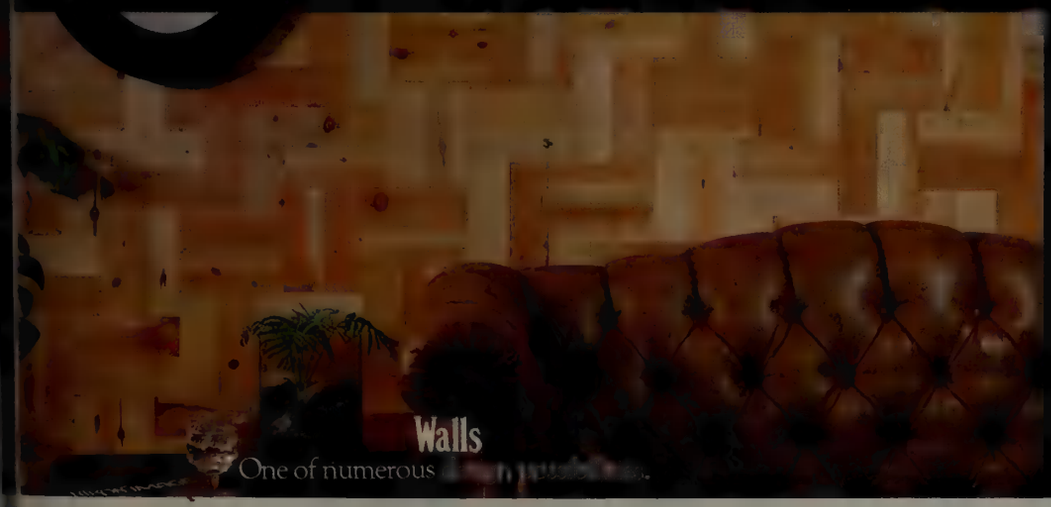
Walls

One of numerous

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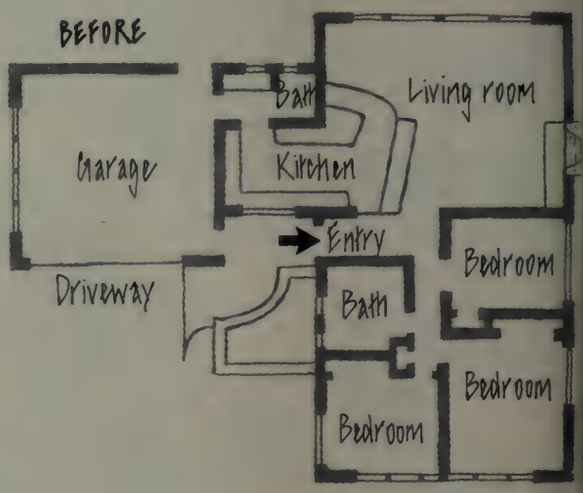
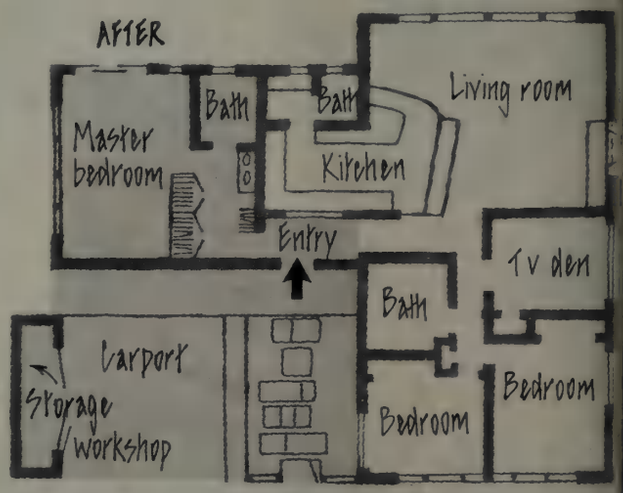
NORMAN A: PLATE

Carport *was former entryway to enclosed garage—now the master bedroom. Bricked storage room is at left*

Overhead lattice *brightens path of steppingstones and ground cover*





L-shaped house *made it easy to divide wings for parents and children. New entrance hall channels traffic*

New bedroom, entry, carport, fresh new face to the street

New bedroom *is spacious enough for guitar lessons. Sliding glass doors open to private patio*

Move or remodel? That was the decision facing Joel and Kimi Klein, suffering growing pains in their 1,200-square-foot house in Sacramento. "We enjoyed our pleasant neighborhood so we didn't want to move, but we needed a bedroom with a little privacy from the children, and a work space for ourselves."

With the help of architect Lee Watters, they added 380 square feet to their living space by converting their two-car garage into a master bedroom with ba and dressing area—roomy enough double as an office for Kimi Klein and practice/teaching area for Joel Kle and his guitar students.

Once the remodeling was complete, t front of the house needed attention. new carport with an expansive flat ro now shades the concrete entry and ca port from the hot valley sun, and e posed aggregate pads, poured in plac lead directly to the front door. Ever thing formerly stored in the garage now in a 5 by 20-foot storage/worksh room next to the carport.

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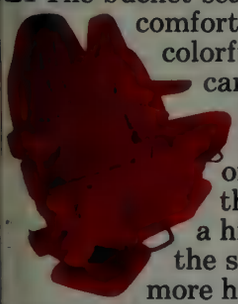

2. MORE ROOM, MORE QUIET. We've made the engine cover smaller to make the people compartment bigger and increase the footroom. And on Custom and Royal models we've put in more sound insulation and made suspension improvements to make the ride quieter.

3. EXCLUSIVE TRAVEL SEATING PACKAGE. This new factory-installed option on B200 and B300 Royal Sportsman lets you easily convert from two three-passenger bench seats to a dinette set to a double bed. The wood-grained-finish tabletop stows out of the way when not in use. The package makes your Sportsman into a home away from home.

4. 23MPG HWY/ 17MPG CITY. EPA estimates for Dodge Sportsman B100 wagon, with standard 225-cubic-inch six-cylinder engine and manual transmission. Pretty good for a wagon that does this much work. Your mileage may vary according to vehicle condition, equipment, and how it is driven. California mileage is lower.

5. NEW OPTIONS. Sky Lite sun roofs, air conditioning, and more. Trailer-towing packages for up to 7000 pounds gross trailer weight. Six different kinds of radios including units with 40-channel CB.

6. MORE ROOMINESS. Maxiwagon has eight inches more loadspace length this year. Room for more cargo and more fun. And its rear quarter windows wrap right around the corners to make backing up a snap.

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CHRYSLER CORPORATION

* Passenger van-type vehicles known in the industry as wagons.

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That's why we also offer you almost limitless design flexibility. You can add space, subtract walls, do whatever you need to put your own personality into more than 60 basic Lindal designs.

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STEVE W. MARLEY

On the veranda—*or the patio—a fabric fan and cool drink can assuage the heat*

Bright fabric fan easy to make

On languid afternoons, fans made from bright fabric and coat hangers can give you a breather: Besides circulating the air, they're an easy project to keep children occupied.

You can make three fans from ⅔ yard of fabric, three wire coat hangers, and 4 yards of grosgrain ribbon. Bend each hanger hook into a closed loop, then stretch the rest of the hanger into a diamond, circle, or other simple shape. Fold fabric in half, position hangers on top, and chalk lightly around the edges, allowing an extra ¼ inch all around each. Cut out fabric.

Place one piece of cloth right side down and position the hanger on top. Spread a thin line of white glue all around the inside edge of the hanger. When glue is tacky, wrap fabric around wire, gently stretching out any slack. When dry, repeat for the other side.

To finish each fan, cut a 4-foot-long piece of grosgrain ribbon. Measure off 11 inches of ribbon (for one end of the bow), then start wrapping the rest down the front of the handle and around and up to the top; tie ends in a bow. □

Glue fabric *over both sides of wire coat hangers stretched to various shapes, then wrap handles with ribbon*

PPG Solarcool® Bronze glass tames the blazing summer sun. And air conditioning costs.

With all of its windows and sliding glass doors glazed with PPG Solarcool Bronze reflective glass, this Florida home looks perfectly beautiful.

But it's on the inside that Solarcool pays off. By reducing glare and heat gain from the burning southern sun, this newest PPG residential glass can save up to 17 percent on air conditioning costs. That's compared to clear glass and is based on a PPG computer energy analysis. Comparable savings can be obtained in other locations.

In the daytime the glass reflects the lovely Florida sky and water. Even more important, it sharply reduces visibility from the outside, so people inside enjoy comparative privacy. And ultraviolet light, a major cause of interior fading, is cut way down.

If Solarcool can tame air conditioning costs in Florida, think what it can do for the home you're going to build or buy. Why not write for a free copy of our Solarcool idea book: "Best Glass Under the Sun." PPG Industries, Inc., Dept. S-258, Suite 4, 3563 Investment Boulevard, Hayward, Calif. 94545.

Bent Tree Development by
The Babcock Company, Coral Gables, Fla.

PPG: a Concern for the Future

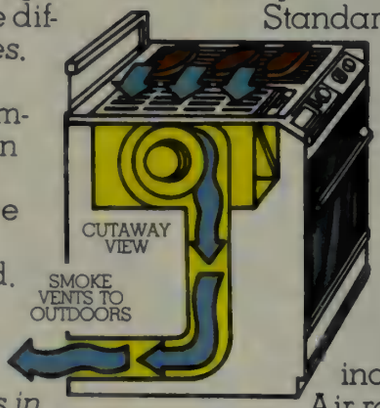
PPG
INDUSTRIES

Jenn-Air. The range

It gives you more ways to cook...vents away smoke and odors right at the rangetop to keep your kitchen cleaner, sweeter.

Most ranges on the market today differ little from the ranges of 30 years ago. The Jenn-Air range differs a lot. It *breathes.*

The range that breathes. It's the simplest way to explain how the extraordinary Jenn-Air range works.



There's no hood. A powerful ventilation system, built into the oven and rangetop, *breathes in air* to whisk away smoke and odors, *breathes out air* to keep your kitchen cleaner, sweeter.

And most important, Jenn-Air's built-in ventilation gives you more ways to cook—virtually every method of cooking the world has ever known.

You get more ways to cook, including 5 ways conventional ranges don't offer.

A Jenn-Air range can give you just the right temperature for all conventional cooking methods: boiling, braising, frying, baking, roasting, and broiling. But then, a Jenn-Air range gives you even more ways to cook, cooking methods that conventional ranges don't offer, cooking flavors you can't get any other way.

Standard rangetop heating elements are *removable* and *replaceable* in seconds with any of 5 different Cooktop Convertible units that give you your choice of 5 more ways to cook.

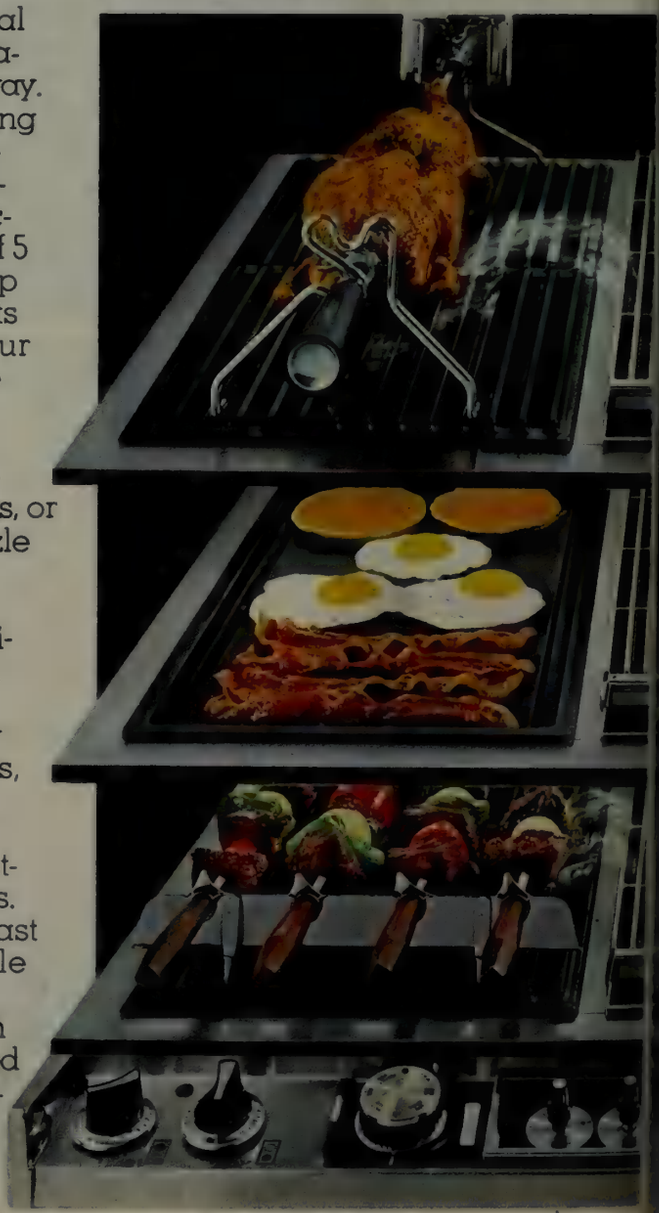
You can *grill* indoors with a Jenn-Air range. Thick steaks, or heavy chops sputter and sizzle as they absorb a rich char-flavor. Smoke is whisked away into the rangetop ventilator located just inches from the meat.

You can *spit roast* buttery chickens, spicy barbecue ribs, succulent pork roasts, whole legs of lamb. The meat turns lazily on the electric spit, basting itself in its own rich juices.

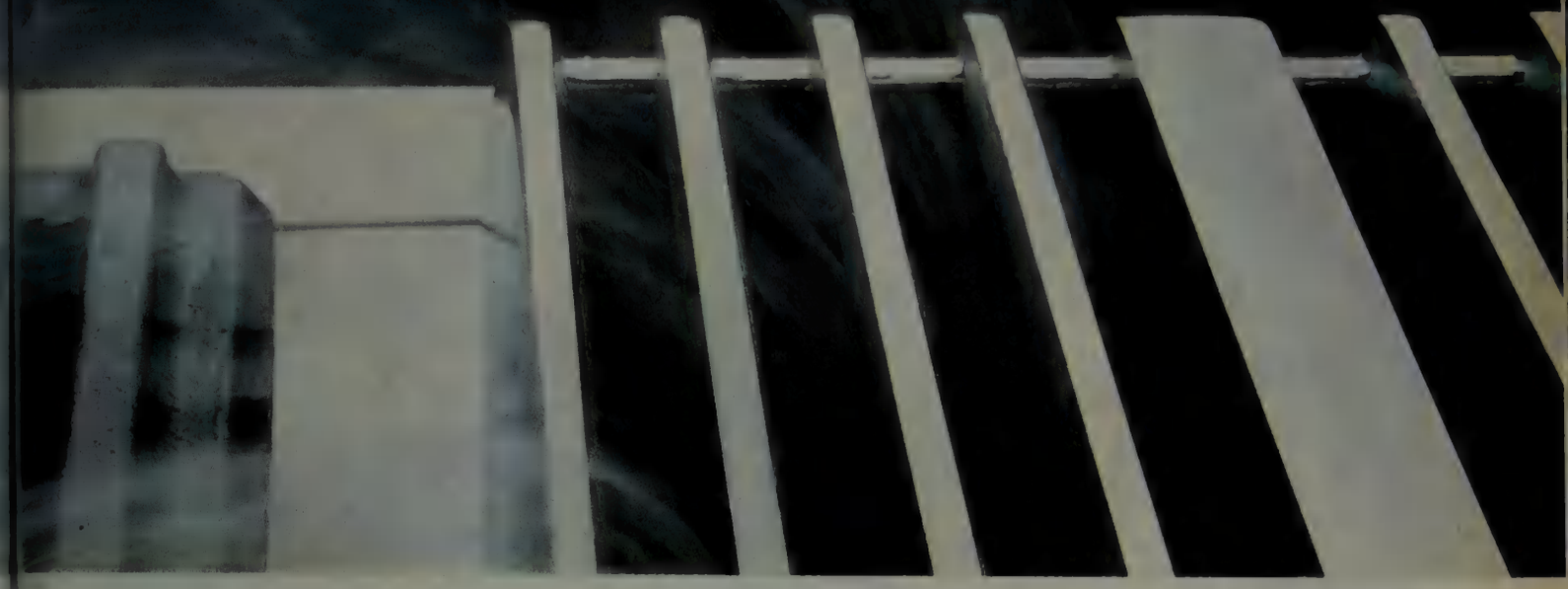
You can *griddle* a breakfast of bacon and eggs for a whole family, short-order quick.

You can *shish kebab* with 4 spits turning at once, loaded with beef, lamb, shrimp, sausage, vegetables, whole meals on a skewer.

And you can *deep-fry*



that breathes.



doughnuts, fritters, French fries, hush puppies, without filling your kitchen with greasy smoke and odors.

Choose from 2 different ways to roast and bake, including the way professional chefs use.

The roast-and-bake oven of the Jenn-Air range is actually two ovens in one. First, it's a conventional electric oven and broiler that lets you cook all your present recipes without change. But then, just by flicking a switch, it becomes a professional type *convected* oven that roasts and bakes in a stream of power-driven air—quicker, at lower temperatures.

Cooked in this swirling airstream, meats brown-up more quickly with a crust of delicious brown coating that traps the hot, seething juices inside. Beef roasts cook lushly pink and fork tender all the way through. Turkeys turn a rich, golden brown, bubbling with rich juices, and they cook in less time. Chickens, hams, roasts of pork all come out filled to bursting with juice and flavor.

This oven not only stays cleaner, it has an "ACCELERATED CLEANING" cycle, too.

Every time you use the Jenn-Air oven it works to keep itself cleaner. Greasy build-up is reduced because this oven, like the rangetop, is fully vented—smoke and steam are exhausted direct to outdoors. Spattering is reduced because the Jenn-Air oven cooks cooler. The oven stays cleaner, too, because of a special surface that works to disintegrate deposits in normal oven heat.

The Jenn-Air oven also has a special cleaning cycle. Just switch the oven selector knob to "ACCELERATED CLEANING" to remove accumulated deposits.

Cook the way you want to in a cleaner, sweeter kitchen

If you're in the market for a range today, be sure to see the self-ventilating range with five Cooktop Convertible units that let you choose the way you want to cook. For the Jenn-Air dealer nearest you, see the Yellow Pages, call toll free 800-428-1825, or write Jenn-Air Corporation, 3035 Shadeland Avenue, Indianapolis, Indiana 46226. Also available in Canada.

The Jenn-Air Grill-Range.

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We'll also send you a special consumer report that shows you how much energy you can save year 'round with your Hunter original.

JERRY FREDRICK

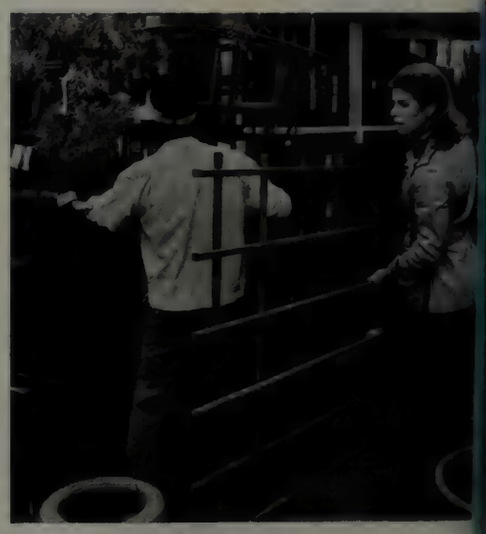
Hooks *screwed into trellis can hold mirror and other bath accessories to help keep clutter off basin counter*

Bathroom hang-all from the nursery

A garden trellis needn't spend its whole life outside. Diana Gansemer of Torrance, California, brought a redwood trellis indoors to solve an irksome problem in her tiny bathroom: The wall-mounted towel bar protruded exactly where it was constantly banged by the doorknob.

She removed the bar and nailed an 8-foot trellis to the wall studs. Then she screwed in brass hooks to hold towels, a hand mirror, bath brush, and plants.

Her trellis cost about $10, but nurseries and garden supply stores sell a wide range of sizes and shapes for an equal variety of prices. Expect to pay from $1.50 for a 2-foot-high trellis to $10.50 for one 9 feet high. ▫



Square-grid trellis *is one of many choices at nursery. Splintery wood should be sanded before mounting on wall*

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JERRY FREDRICK

Storage hides *behind mirror doors above backsplash. Wood strip at touch latch prevents fingerprint smudges*

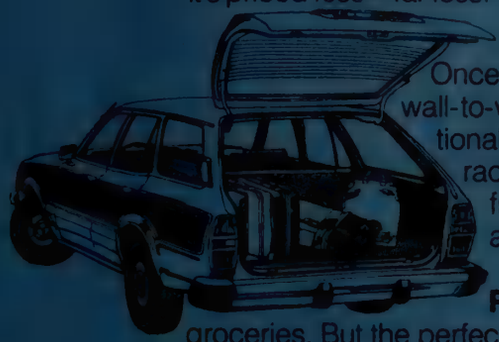
Behind mirrors, handy storage

At first glance, the wall above this bathroom sink appears to be simply a room-expanding spread of mirror.

But it's not just glamorous—it's also useful for storing small necessities close at hand. In their remodel of Tom Kuhn's Los Angeles bathroom, Tanaka/Purtill Architecture and Planning of Santa Monica built recessed cabinets into the mirror wall just above the tile backsplash. Facing the little cabinet doors with mirrors keeps them from interrupting the overall effect.

Set between studs, the cabinets continue the length of the wall. The doors, hung on piano hinges, are ½-inch walnut. Touch latches are mounted behind an extra ¼-inch-thick strip of stained oiled wood, glued on at one end. A rectangle of ⅛-inch-thick mirror covers the rest of each door. □

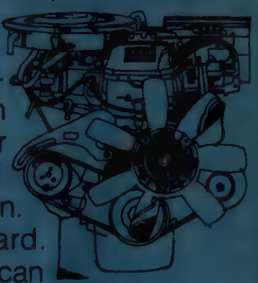
Just look at this beautifully styled 1978 Toyota Corona 5-Door Wagon! It's perfect if you need a wagon that's larger than our popular Corolla. In fact, the Corona 5-Door is very similar in interior room, and in engineering, to many of the quality European wagons. Yet you'll find it's priced less—far less.



Priceless comfort. Once inside you're surrounded by deluxe features like tinted glass, wall-to-wall carpeting, and an electric rear window defogger. The optional "Luxury Edition" package even includes an AM-FM Stereo radio and super-soft seating. Shown here is the deluxe, full-width front seat in the "Luxury Edition" wagon equipped with optional automatic transmission.

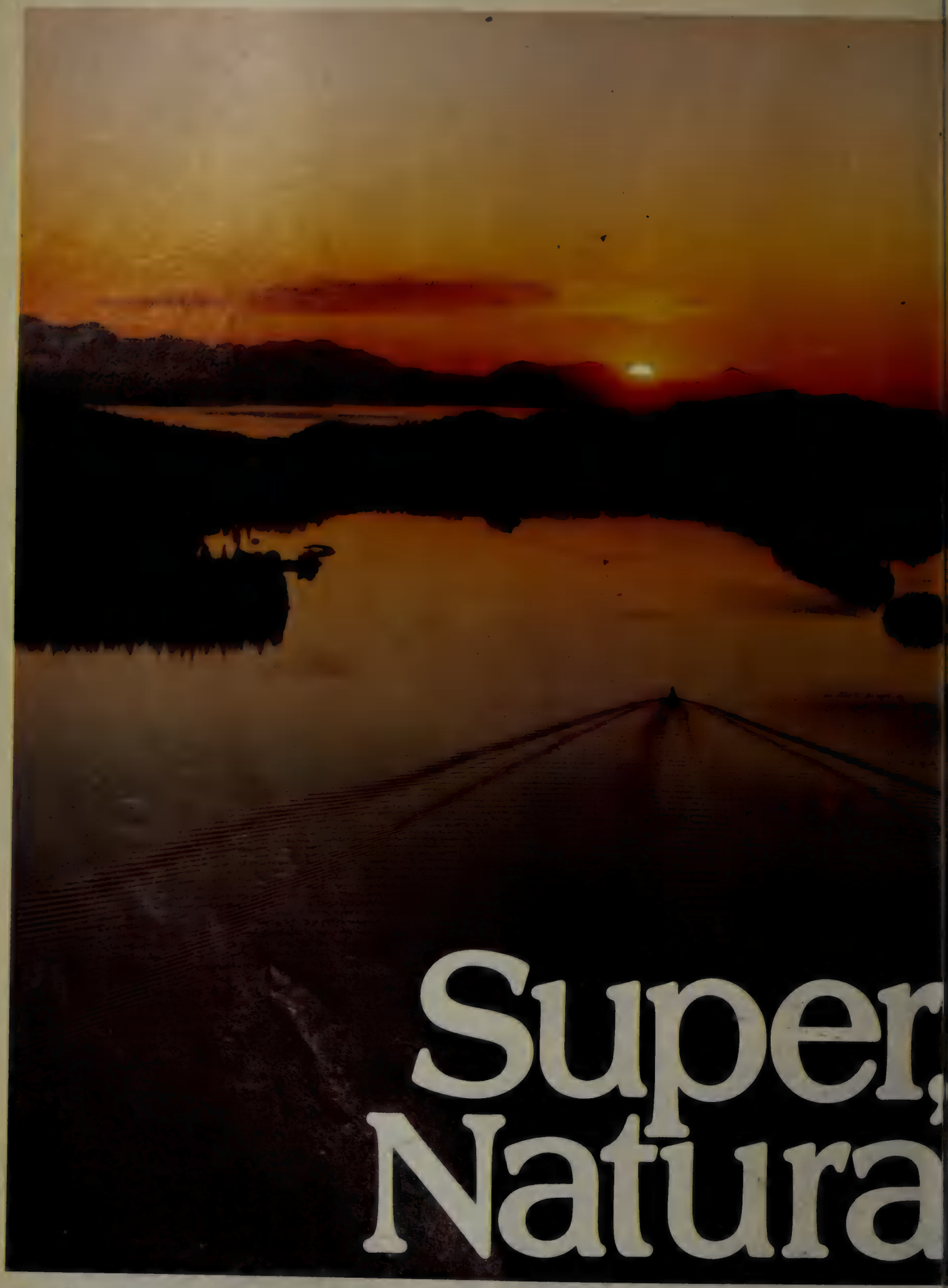
Priceless convenience. You'll find room enough for 20 bags of groceries. But the perfect wagon's got to do more than carry a lot. It's got to be easy to load, too. That's why we designed Corona's rear seat to unlatch with one hand, and the rear door to open up and out of your way. Then, for good measure, we carpeted the whole cargo area.

PRICELESS STYLING. PRICED LESS.

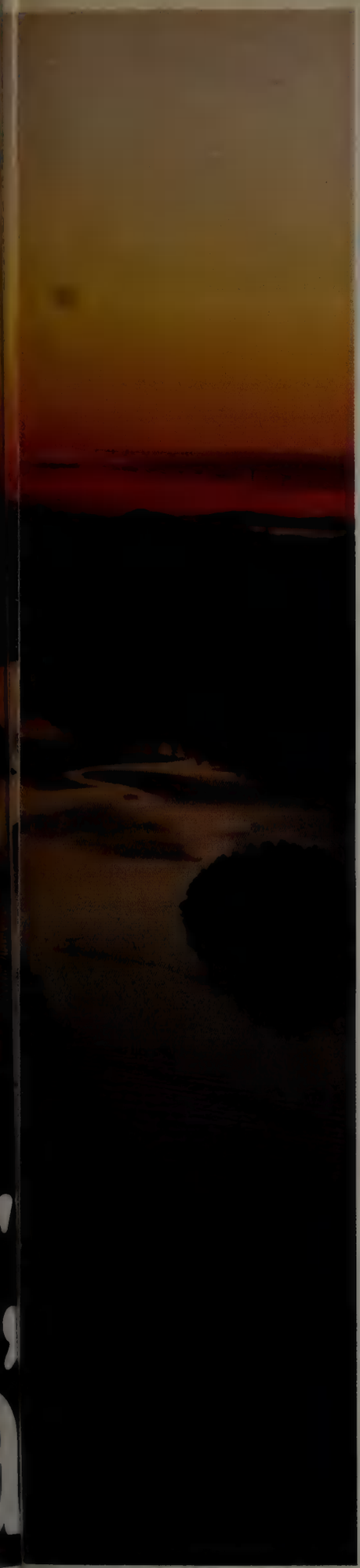


Safety is priceless. The Corona's durable 2.2 liter engine delivers the acceleration you need to drive with confidence on today's highways. There's even a "Door Ajar" warning light that gives peace of mind, especially if you have small children. Priceless safety features, all standard. "Priced less" reasons why we say, "If you can find a better built small car than a Toyota ...buy it!"

©Toyota Motor Sales, U.S.A., Inc., 1977



Discover British Columbia



Discover British Columbia. Captain Cook did.

In fact 1978's our Captain Cook Bicentennial so there's 200 years worth of celebrating going on all over the province.

Be here when the fleet's in Victoria and Vancouver. You'll be welcomed aboard Tall Ships from around the world when they drop anchor during our annual summer Sea Festival.

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WILLIAM FAULKNER

1 • *Cut reeds when green and discard tough or woody ends. Flower bracts (above right) identify tall sedge reeds ideal for making papyrus; they appear in summer*

GLENN CHRISTIANSEN

Your own paper *made from reeds. Light and dark fibers show clearly in foreground sample. Whiter, smoother papyrus above it results when sediment is pounded onto the fibers*

Almost-Egyptian papyrus you make from reeds soaked, pounded, dried

Ancient Egyptians were among the first to devise a method of writing and something to write on—papyrus. You can still make a close duplicate of this ancient paper, as Molly Ramolla demonstrates in her studio in Pescadero, California.

Although the original technique of making papyrus is still unknown, Ms. Ramolla has come up with a method that produces a durable facsimile.

All you need are the tough-fibered stems of sedges, rushes, or bulrushes. (Ms. Ramolla recommends sedges—they make a paper similar to that of the *Cyperus papyrus* originally used.)

You'll find these plants growing wild in freshwater marshes, wet meadows, tidal flats, wet banks and muddy edges of creeks and streams, and many other wet spots. Look for tall reeds with a triangular cross section. If the location is in public parkland, check with the ranger for legalities; if private, ask the owner for permission to cut.

How to make papyrus

Gather 10 to 12 reeds for one large or several small pieces of papyrus, and slice the outer green fiber from the inner white fiber. Cut up both fibers and soak them separately in soft water, covered, for three to four months, changing the water when it starts to smell. Then rinse the fibers until clean and squeeze out excess water.

Pound the coarse outer fibers on a lightly oiled wooden board using a hammer, mallet, or smooth stone. (A piece of clear plastic over the fibers will prevent splashing.) Continue pounding, at the same time adding the fine inner fibers until the desired size and thickness of paper is reached. If you like, add sediment that has collected during soaking and pound it in to produce a smoother, whiter surface.

Dry the beaten fibers in the sun on the wooden board for 30 to 60 minutes. Then spray them lightly with water and press between layers of paper towels and newspaper under a heavy weight for two to three days. (Check to see if paper towels need to be changed to prevent mildew.)

Finally, polish the papyrus with a firm, smooth object to seal the surface and

2 • *Soak reed fibers for three to four months; then squeeze dry to produce clumps like those at right*

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cameras
Kodak introduces the remarkable Ektra I camera—an amazing little camera that automatically adjusts for films of normal speed (such as Kodacolor II film) and the new super-fast films (such as Kodacolor 400 film).
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It's a shame they're only for golf. Or are they?

Before we designed the new Golf-abouts line we asked a lot of women what they wanted in golfwear. Golf-abouts has it all. Comfort. Quality. Easy-care and functional golfwear design. Left. A puff blossom print skirt of polyester and cotton, 100% Qiana* nylon scoop necked T-shirt and cotton velour jacket. Right. 6-Gore skirt with V-cut pockets in 100% texturized Dacron* polyester and sleeveless printed shirt of polyester and cotton. Charles A. Eaton Co., Brockton, MA 02403. A member of the Colgate Sports Group of Companies.

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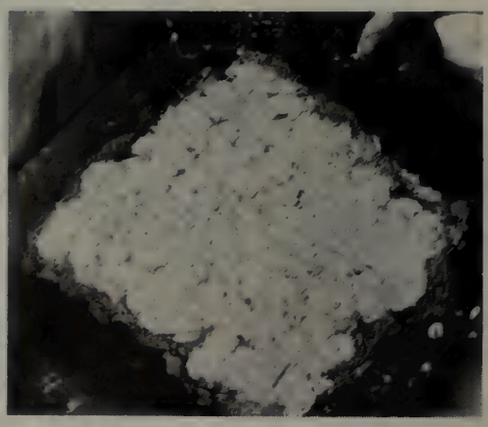
SPORTSWEAR

WILLIAM FAULKNER

3 • *With mallet or smooth stone, pound soaked and partly decomposed fibers into the size and shape of paper you want*



4 • *Add sediment to produce lighter, smoother surface; then place in direct sun to dry for an hour or so*

give the paper a finer finish. Now you're ready to try watercolors, ink, or tempera on your homemade paper—perhaps your favorite poem.

Next time you're driving in the Bay Area with time to spare, you might enjoy stopping at Molly Ramolla's studio in the Old Barn on Stage Road in Pescadero, about 40 miles south of San Francisco just off State Highway 1. It's open to visitors on Fridays from noon to dusk and weekends 11 to dusk. Ask locally for directions. □

5 • *Press papyrus between layers of paper towels and newspaper under a weight for two or three days*

6 • *Polish papyrus firmly and carefully with a smooth stone to seal surface and increase durability*

AMERICA TAKES TO THE HORIZON.

New Plymouth Horizon. People are taking it everywhere. On any kind of road, in any kind of weather, on every kind of trip. Front-wheel drive is one reason why. It gives Horizon great stability and it gives you a great feeling of confidence.

And people are taking it because Horizon can take a lot of people. Four big adults can ride in comfort. And there's plenty of room to take all the things that people need.

Horizon gives you a lot of unexpected standard features, like bucket seats, AM radio, whitewall radial tires, rack and pinion steering and front disc brakes.

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Plymouth

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D. Gralyn Manor, **$599**

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F. Shenandoah, **$699**

G. The Walden, **$1,199**

This is JCPenney

Available at most large JCPenney stores. Prices slightly higher in Hawaii and Alaska.

DAVID STUBBS

Straps cinch *cover tight around two zipped-together sleeping bags*

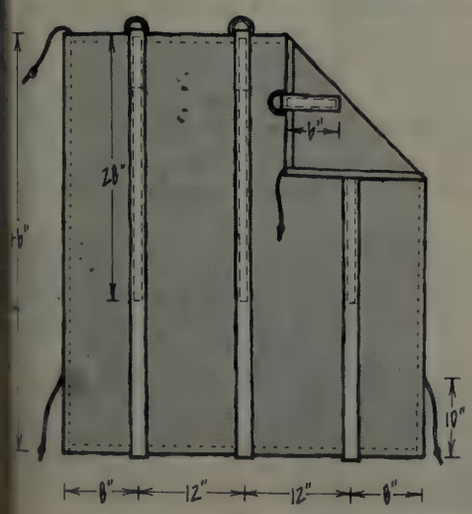
A cover for two sleeping bags

Two sleeping bags zipped and folded together lengthwise can't be rolled up within their own single-bag covers. So Shirley Hanks of San Jose, California, made her own simple two-bag cover from a piece of lightweight canvas 48 inches long and 10 inches wider than the sleeping bags. Her directions:

First hem top and bottom edges. Turn fabric under ¼ inch, press, then turn under ¾ inch and stitch. Next hem sides, but leave a 1-inch space without stitching 10 inches from the bottom for drawstrings to come through. (The 10-inch flap on the bottom makes it easier to start rolling up bags.)

Position three 52-inch lengths of 1-inch-wide strapping as shown in diagram. Pass top end of each strap through a pair of 1-inch-wide D buckles, turn straps under 6 inches on back side, and pin in place. Stitch down 28 inches of each strap as shown. A little white glue brushed on the strap ends will keep them from fraying.

Then pull two 5-foot-long drawstrings through side seams and knot ends. □



Width *of cover may need to change to suit the size of your bags*

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The Honda EM-400 has a 400-watt maximum AC rating. 300 watts continuous. The unit weighs only 39 lbs. Starts easy. Has an automatic choke. And gives four hours of continuous power on a half-gallon of gas. No premix needed. The price? Only $299.* A great value when you consider its versatility. And your peace of mind.

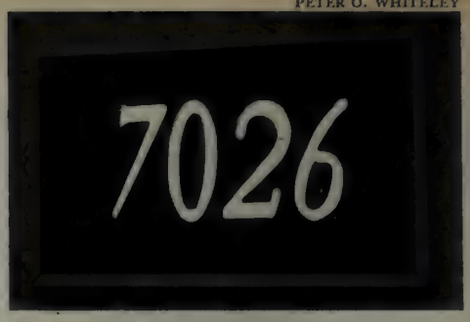
Honda has other generator models up to 3500 watts. For portable power, Honda's the name for dependability. See the Yellow Pages for your nearest dealer or call us collect at (213) 381-2201. Then go see him.

HONDA

Power Products

For optimum performance and safety, we recommend that you read the owner's manual before operating the unit. Observe all campground regulations. © 1977 American Honda Motor Co., Inc.
*Manufacturer's suggested retail price.

PETER O. WHITELEY



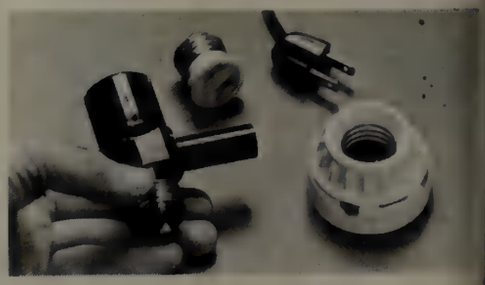
Numbers glow, *backlit by fluorescent tube. Plywood painted white closes off back and bottom of light box*

A light behind the house number

Lost souls can better find their way at night when house numbers are lit and clearly visible from the street. Colin Wright of San Jose took this idea one step further with a system that automatically turns on at dusk, off at dawn.

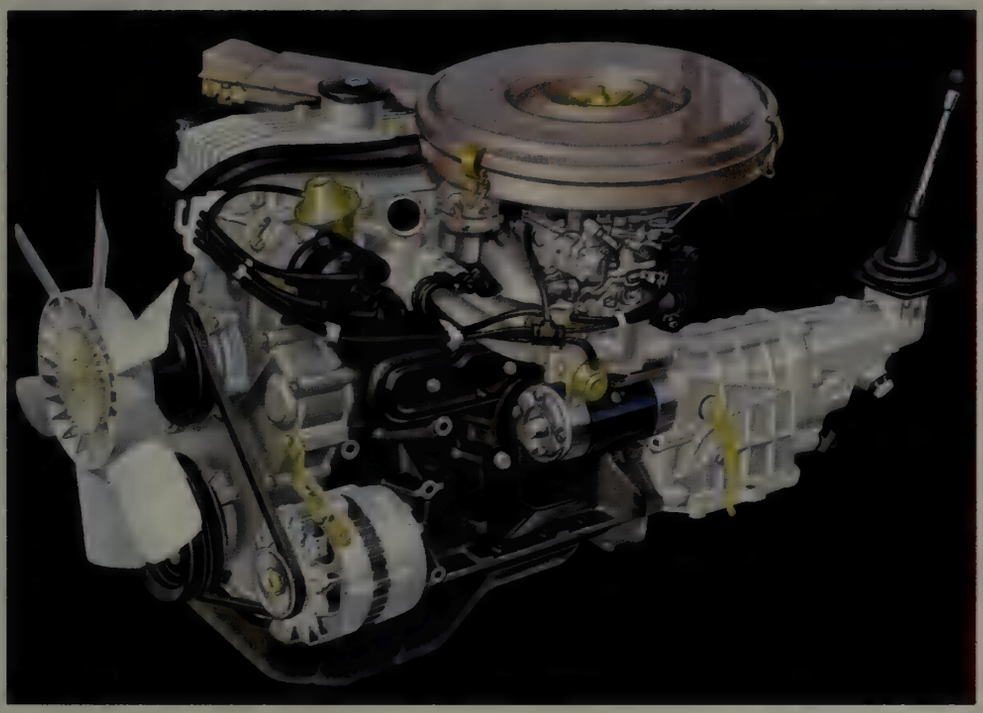
He mounted a 5-watt fluorescent light in an opening cut between studs in the garage wall. Out of sight below the opening he wired in a ceramic light bulb base mounted to a 2 by 4. A photosensitive fixture screws into the base; its light-sensing tube projects through the wall (see hole below box in the photograph above). The fluorescent fixture plugs into an adapter in the photosensitive unit.

Wright then cut numbers in an 8 by 14¾-inch piece of ⅜-inch exterior plywood, mounted a sheet of translucent acrylic to the back with small screws, and fastened the number panel to the wall, inside a frame of ¾-inch trim. □



The innards: *light sensor, ceramic base, screw-in adapter, and plug*

Introducing our two-barrel, four-cylinder, twelve-valve, smooth-running, low-emissions wonder.



If you're really into cars and driving, you should know more about our amazing new MCA-Jet System with Silent Shaft. We think it's one of the most significant engine developments to come down the pike since the first American high-compression V8.

First off, it offers all the advantages of a four-cylinder engine...but without the vibration usually associated with the proverbial "four-banger." Its unique Silent Shaft design (available only with the five-speed manual and automatic transmissions) is the reason. Two counterbalancing shafts rotate in opposite directions to cancel out the noticeable power pulses inherent in normal four-cylinder designs.

Now comes the MCA-Jet part of our system. MCA stands for Mitsubishi Clean Air. The MCA-Jet System meets...even exceeds...the stringent emissions requirements now in effect in both Japan and America. Without loss in performance, too. A revolutionary new cylinder-head design that incorporates a third, or "jet," valve does the job. This valve introduces an extra swirl of air into the combustion chamber which swirls the fuel-air mixture and promotes a faster, more even, thorough burning of the mixture at ignition.

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MITSUBISHI MOTORS CORPORATION

STEVE W. MARLEY

Soft light *filters through trees outside greenhouse-like window seat. Thick foam pad hides cedar chest linen storage*

New *Ideas for Improving Your Home is on sale this month. It features remodeling ideas, alternatives to furniture, how to apply gypsum board, choosing kitchen cabinets, picking out a TV antenna, many other subjects*

Roomy window seat, other built-ins, a bushel basket of improvement ideas

Window seats can add a comfortable nook for sitting, open a room up to light, and make living spaces seem larger than they really are. Owner-architect Robert Geering of Fisher-Friedman Associates, San Francisco, added the spacious window seat above to a small bungalow as part of a bedroom/studio-loft addition.

Under its 34 by 78-inch foam pad is a built-in cedar chest. There's room to lie down and enjoy the overhead tree canopy, and a wall-mounted spotlight for reading in the evening. Windows are standard nail-in aluminum sash and overhead glass is tempered.

This window seat is part of a larger article on built-ins in the just-published spring-summer edition of *Ideas for Improving Your Home*. One of *Sunset*'s special interest magazines, it's available at many newsstands for $1.95. Or you can mail-order a copy from Lane Publishing Co., 85 Willow Rd., Menlo Park, Calif. 94025. To cover postage, handling, and tax, send $2.95 if you live outside California, $3.07 in California.

The secret of Quasar's sharpest, clearest picture yet.

The difference between a good television picture and a great one is often no more than a few inches.

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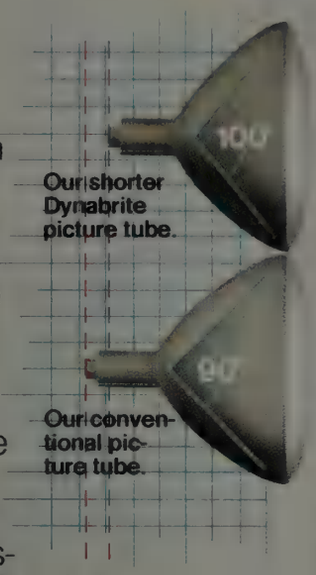

Shorter tube, sharper focus. Because by first increasing the deflection angle of our Dynabrite tube to 100 degrees, we actually shortened it. So now our electron beam has less distance to travel.

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Flesh tones are corrected automatically.

So before you buy your next television set, come see the difference Dynabrite makes.

Otherwise you just might spend the next few years missing out on quite a lot.

Quasar

makes television special again

Today's

The roof on this house is made of a new kind of non-wood shingle. The edges are thick and irregular, so they cast deep random shadows. The color is soft and muted, so it blends in naturally with the architecture and the surroundings.

Today's asphalt roofing shingles are among the finest products made in America. Some are made with a fiberglass base. All are handsome, durable, economical, and highly fire-resistant. And you have a wide spectrum to choose from, in a palette of colors to complement your home's exterior. Wherever you live in the West, today's roofing shingles fit in with any setting or architectural idea. Use them when building or remodeling.

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And therein lies the tale. Despite the bum's dereliction, he still eats like an Abu Dhabian prince. His Char-Broil barbecues and smokes and spit-cooks just as deliciously as it did when he was young and had hair.

But, sadly, the flavor-rich fare it has produced over the years has reduced him to a state of gorged paralysis.

Between the two of them, his C-B is the only thing that still works.

Take care. The Char-Broil will get you if you don't watch out. Even so, it probably will.

Note that we didn't once use that battered and worn word "Quality". We figure, with this baby going on 17, you'll know it wasn't built for a quick fade. The Char-Broil is much closer to timelessness than transience.

If you'll drop us a line, we'll reward you with a copy of "Char-Broil Cooking Tips & Recipes", along with the names of the places where you can buy one. Our pleasure.

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PETER O. WHITELEY

She's looking at *a photo album with rice paper over foam core shapes. Other cover has dried leaves and a burlap binding*

Photo albums with personal covers wrapped in rice paper

These rice-paper-skinned photo albums are handsome enough for display and as personal as the pictures inside.

When painted with an acrylic polymer medium, the rice paper becomes translucent, quieting the colors and textures of relatively flat objects glued to the cover stock. The separate front and back covers are held in place with extender poles (available at stationery stores), so they can hold as many pages as you wish. We used readymade album pages with plastic overlays and flexible spines.

Because of the drying time between glue coats, allow a few evenings or a lazy weekend to complete the project.

For front and back covers, cut foam core board (from art supply stores) or very heavy mounting board slightly larger than the insert pages. Glue on the display items, cover both sides of front and back with rice paper, and brush with acrylic polymer medium.

To bind the covers as sketched above, use cloth of almost any weight or tex-

A delicate branch, *mementos from last year's trip abroad, or photos of a child—all covered with rice paper to make personalized covers*

Discover the delightful differences of our fresh rosé wines.

We make three California Rosé wines at The Christian Brothers Napa Valley winery. Each has its own pleasing flavor and individual character, but they share a light-hearted appeal, and the fresh taste and fragrance of premium wine grapes. Our Rosé wines are produced with the same devotion to style and quality that you find in all of the wines we offer from our cellars.

The Christian Brothers California Vin Rosé is a sunrise pink wine that is very dry and light-bodied. Its pleasing fruity taste makes it a good choice for light meals and it goes well with fish, meat or fowl.

Our California Napa Rosé has long been a favorite. It is a deep rose-pink wine, with a trace of natural grape sweetness that is best enjoyed chilled or over ice. It can be served with almost any meat or chicken dish.

La Salle Rosé is a new California addition to our family and has a taste that is fresh and bright, with a delicious fruity quality. We feel that it will delight and surprise you with its new character. Serve it well chilled anytime.

If you would like to know more about our wines, you may write to me.

Brother Timothy F.S.C.
Cellarmaster, The Christian Brothers
Napa Valley, California

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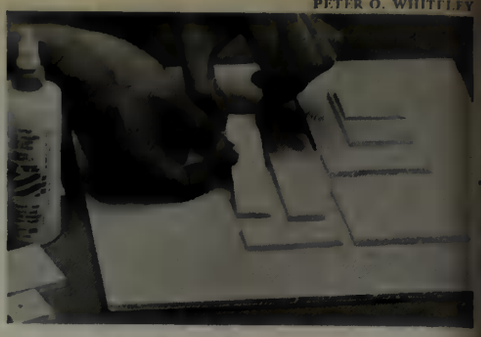
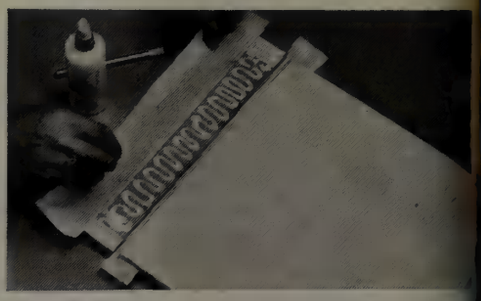
PETER O. WHITTLEY



1 • *White glue holds shapes to cover. Leave about 1½ inches clear on one side to allow room for binding*

2 • *Acrylic polymer medium binds rice paper to cover. Apply a second coat and later seal with plastic spray for easy wipe-off cleaning*



3 • *Linen binding starts one inch in on cover front, wraps around hinge panel, and is glued to inside cover*

4 • *Extender posts fit through holes in hinge panel. End papers glued to inside of covers neaten appearance*

ture. Allow ample space between eac cover and its hinge panel so they ca fold back on themselves. For a finishe appearance, cut the material to fold ove the top edges of the hinge panel befor gluing down the inside (step 3).

After front and back covers are com plete, position the insert pages on th hinge panels and mark and drill hol for extender poles. Align holes so th pages turn freely.

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GAFSTAR Wall Tile is easy to afford, too. In fact, a package of [illegible] beautiful [illegible] tiles [illegible] can cost as little as just a few real ceramic tiles.

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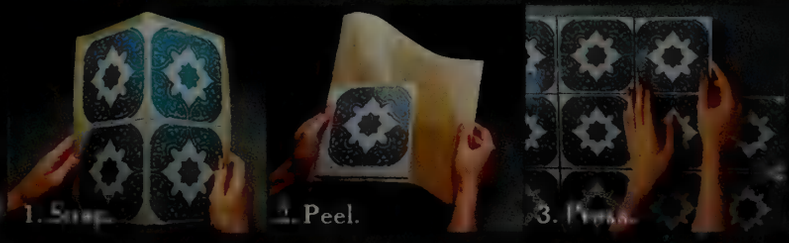
Just call our special toll-free number, [illegible], for the store nearest you. Or write to GAF, GAFSTAR Wall Tile, Dept. S58, Box 1121, Radio City Station, N.Y., N.Y. 10019.



GAF

GAFSTAR WALL TILE

Shower door skylights *and koa wood counters are unusual features of stall-shaped kitchen. Note marble inserts next to stove*

They started with an old barn and kept the barn's openness

When Janey Knight and Steen Moller turned this barn in northern California's Marin County into a house, they kept it open, airy, and honest.

No walls separate the kitchen, living room, and dining room; high counters behind lower work counters define kitchen space while maintaining free-flowing interaction with the rest of the house.

GLENN CHRISTIANSEN

The wooden stable floor was resanded and left intact. Large windows along one wall open onto a redwood deck, allowing the owners to pass food and beverages back and forth.

They especially wanted large skylights overhead to take advantage of the wooded setting, but cost became a limiting factor. According to Moller, "I priced aluminum-framed skylights and they were so expensive that I decided safety plate shower doors would do the same job. They cost about $40, maybe a third as much as custom tempered glass skylights, because they're put out by the thousands." To weatherproof the doors, Moller set them on butyl sealant and capped them with metal flashings and wood trim. A concealed gutter carries off any condensate. □

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DARROW M. WATT

Scalloped *ceramic container sections off a loaf of shapely home-baked bread. Oiled brown paper and generously greased interior prevent inverted loaf from sticking. Remove paper before cooling*

Ceramic container you can make quite easily at home

This multipurpose ceramic container with its bold scalloped shape doesn't require a potter's wheel or advanced art skills, and except for the two kiln firings, it can be made at home. You can assemble the container in a few hours, but you might have to wait as long as a month for the clay to dry before it's ready to be fired.

Glaze on the inside *shows off when container is used for flower arrangement (frog holds stems)*

Since the interior is glazed, the container can be used for baking breads, cakes, and soufflés. For a presentation with a flourish, you could take the dish directly to the table from the oven. You can also use it for flower arrangements —but be sure to slip a plate underneath, since some clays are slightly porous even after glazing.

The container is formed by the slab method—a simple handbuilding technique. Just roll the clay flat with a rolling pin, cut out the shapes needed, score them, and then carefully pinch them together with your fingers.

Finding a kiln. Look in the yellow pages under *Ceramic equipment and supplies* to find out where you can have the container fired, and where to buy clay and glaze. First find the kiln and ask what cone temperature it fires to. (A cone is a temperature-measuring device.) Then select your clay and glaze accordingly.

You need to fire the piece twice: once after the clay has dried completely, and again after glaze is added inside. Some craft stores do kiln firings on a regular

EDWARD B. BIGELOW

1 • *After rolling out clay, use a dinner plate or similar round object to cut 10½-inch-diameter circle for container base. Cut strips. Let all dry to leather-hard stage*

2 • *Mark—but don't cut—base into six equal sections. The circumference of a 10½-inch plate is about 33 inches; each section will be 5½ inches wide at widest point*

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EDWARD B. BIGELOW

3 • *Center a plastic cup in each section, ½ inch from edge of base. Use fork to "score" a horseshoe shape where vertical slabs will attach*

4 • *Mold strips around cups, letting each flare out slightly so cooked foods are easy to remove after baking*

5 • *Space clay and cups evenly around base. Cut off excess clay at base to form scalloped shape*

6 • *Remove cups. With fingers and knife, smooth and seal inside and outside seams. Use extra clay and slip to bind seams together*

basis, or a potter in your area may fire for you. A local school may also have kilns available for public use.

Materials. You will need a 25-pound bag of moist clay—usually less than $5, a rolling pin, and two strips of wood (about ⅜ inch thick, 2 inches wide, 15 inches long). To prevent the clay from sticking as you roll it out, work on an absorbent surface, such as burlap, plywood, or the back side of oilcloth.

Tools needed include a knife and fork, a metal-edge ruler, a 10½-inch dinner plate, six 10-ounce plastic cups, and a large cutting board. For the inside finish you will need a 4-ounce bottle of lead-free glaze (about $1) to suit the type of clay you have chosen.

Making the container. Roll about 14 pounds of clay into a ⅜-inch-thick slab, using the two strips of wood on either side of the clay to roll it to an even thickness. Let it dry several hours, then cut the circular base and six ⅜ by 3 by 8-inch strips.

Before joining the pieces, let them dry until leather hard—the stage when most of the moisture has evaporated, but the clay is still soft enough to model. When you are ready to begin, mix a little excess clay with water to make a glue the consistency of mayonnaise, called *slip*.

Score the surfaces to be joined with a fork, apply the slip, and carefully pinch the pieces together. To avoid cracks, make sure all pieces have the same moisture content. If they seem too dry to work with, cover them loosely with a plastic bag until they are thoroughly remoistened.

To even off the top, position a board on the container, press gently, and then remove it and scrape away excess clay from the edges.

Cover the completed container loosely with a plastic bag for three days to prevent the outside from drying faster than the inside. Then uncover and place in a dry, shaded place. The container will take three to four weeks to dry. To check, touch it to your cheek; if it is cool the clay needs further drying.

Now fire, add the glaze, and fire again.

Baking. If you intend to use your favorite bread recipe, you can compare the size of your new clay container with the pan you usually bake in by measuring both with water. If you use frozen bread dough, one loaf will fit this container nicely (cut thawed loaf in several pieces and distribute them). Allow extra time for baking; bread and rolls may take 10 to 15 minutes longer than usual.

Two cautions: do not preheat your oven before putting baker inside. Allow container to cool thoroughly before immersing it in water.

Patricia Scarlett was the designer. □

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Bookcases spin to reveal pictures and a pair of Murphy beds

1 • *Living room storage wall includes cabinets, bookshelves, desk and chair*

2 • *When guests arrive, bookshelves pivot to reveal two single beds, two framed pictures*

3 • *Beds pull down to rest on hinged legs. Night lights swing down for reading, up when beds are stored*

4 • *Ready for use. Fitted sheets remain on 4-inch mattress; blankets and pillows store on top shelf of each mini-closet*

Now you see them, now you don't. With guest facilities that pivot and fold away into a wall, Cleo and Frank Wipff of Tucson can accommodate occasional overnight company without having to heat, air-condition, or clean an otherwise unused room.

On one side of their living room they built in two manufactured wall units, each with a single bed and small closet. Our pictures show how the units convert from a shelf-and-desk system to sleeping arrangements. Bifold doors leading into the living room can close it off for privacy. Architect was Philip Dinsmore, Architecture One Ltd., Tucson.

Each of these imported wall units costs about $2,500. The old pull-down Murphy bed of the 1920s, still alive and well, costs about $235 to $335 without spring, mattress, or cabinetry. □

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DAVID STUBBS

Brick chimney, *cleaned of plaster and wirebrushed, is all that remains of the 1888 kitchen. Vertical shelf supports box in the windows, stove, and white wall areas*

Victorian kitchen done over with open plan, open shelves

A hodgepodge of interior walls and cupboards, all too typical of kitchens in many Victorian houses, was the first thing to go in this Alameda, California, remodel. In its place is now a simple open plan and new open shelving.

After demolition, architectural consultant Peter Brown and designer Janet Alcorn could begin with an 11 by 15-foot shell. In it, they used carefully selected materials to create an inviting atmosphere: Brick-patterned vinyl tiles cover the floor, ash veneer gives a custom look to the below-counter plywood cabinets, and a generous number of rough 2 by 10 and 2 by 12-inch redwood shelves contrast handsomely with white walls and orange plastic-laminate countertops.

Grooves *¼ inch deep hide sturdy, unobtrusive metal strips and clips that adjust shelving heights to fit odd-size cookware*

Overhead, 2 by 10-inch beams support a vaulted ceiling of redwood paneling. And four sets of three-lamp track lights between beams provide plenty of brightness for working. □

Open redwood shelving *is a surprisingly roomy home for cookware, eliminates this cook's need for overhead cabinets*

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ut not in the Kirkland, Washington, ome of architect Fred Repass. He uses nem throughout his house, and has de-igned a handsome way to dress them up.

epass cuts a 5½-inch length of clear ouglas fir 1 by 6 for each light. He evels the four edges on the face of ach square slightly, and drills a 1½ 1⅝-inch hole in the center of each. hen he presses these tightly over the cket necks and screws in 6-inch frosted lobe light bulbs.

you adapt this project to your own ome, measure the porcelain neck be-re cutting the hole, to get a snug fit. □

Screw in *a frosted globe to complete the fixture, then add wood or painted visual elements to unify the design*

DON NORMARK

t 30 inches apart, *three globes illuminate the entrance gallery. orizontal paint stripes, one broad and two narrow, unify and enhance the new lights*

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Sunset's Kitchen Cabinet®

Coping with an itch to escape the kitchen and enjoy the spring weather, many cooks rely on whole-meal entrées they can prepare quickly. Here we propose a whole-meal salad of crisp vegetables topped with beef and avocado, and, for another day, a one-pan potato and sausage sauté.

For those who thrive on advance preparation, there's a mushroom soup to heat and embellish with sour cream, a vegetable casserole to go

Mix cooked beef with crisp vegetables; serve at once with avocado dressing

Salad Olé

For a spicier salad, you can substitute chorizo for part or all of the beef.

- 1 quart shredded iceberg lettuce
- 1 can (2¼ oz.) sliced ripe olives, drained
- 1 medium-sized cucumber, sliced
- 1 cup shredded carrot
- 1 can (15 oz.) pinto beans, drained
- 1 cup shredded jack cheese
- ½ to 1 pound lean ground beef
- 1 large onion, chopped
- 12 cherry tomatoes, halved
- Corn chips
- Avocado dressing (recipe follows)

In a large salad bowl, combine lettuce, olives, cucumber, carrot, beans, and cheese; chill 2 to 4 hours.

In a frying pan over medium heat, cook the beef until brown and crumbly. Add onion and cook until it is limp. Drain fat, then spoon warm meat over lettuce mixture. Toss gently and garnish with cherry tomatoes. Serve at once; pass chips and dressing to spoon over individual servings. Makes 4 to 6 servings.—*V. B., San Diego.*

Avocado dressing. Peel, pit, and mash 1 large ripe avocado. Stir in 2 tablespoons lime juice, 1 can (4 oz.) diced California green chiles, ¼ teaspoon ground cumin, 1½ teaspoons garlic salt, and ⅓ cup regular-strength beef broth. Cover and chill if made ahead.

Offer mugs of creamy soup with crunchy breadsticks for a dinner party opener

Mellow Mushroom Soup

A final swirl of beaten egg and sour cream gives sophisticated balance to the mushroom purée.

- 3 tablespoons butter or margarine
- 1 pound mushrooms, sliced
- 1 small onion, chopped
- 1 clove garlic, minced or pressed
- 1 teaspoon paprika
- ¼ cup all-purpose flour, unsifted
- ½ teaspoon chervil
- 6 chicken bouillon cubes
- 6 cups water
- 1 egg, slightly beaten
- ½ cup sour cream

Melt butter in a 5-quart kettle over medium-high heat; add mushrooms, onion, and garlic, and cook until vegetables are golden and all liquid has evaporated. Lift out and set aside about 12 mushroom slices for garnish.

Stir paprika, flour, chervil, bouillon cubes, and water into pan; cook, stirring, until bubbly. Whirl a portion of the soup at a time in a blender until smooth. If made ahead, cover and refrigerate.

Before serving, reheat mushroom mixture until steaming. In a soup tureen beat together the egg and sour cream. Slowly pour in the hot soup, stirring constantly. Garnish with reserved mushroom slices. Makes about 2 quarts.—*F.N., San Francisco.*

An electric frying pan works well for cooking the flour-and-egg-coated beef

Korean Beef Fritters

If fried ahead, place in a 350° oven for 10 minutes or until hot and crisp.

- 1½ pounds top round steak, sliced ½ inch thick
- ½ cup soy sauce
- 3 tablespoons *each* dry sherry or wine vinegar, and sugar
- 2 green onions, thinly sliced
- 2 cloves garlic, minced or pressed
- 1 teaspoon grated fresh ginger, or ½ teaspoon ground ginger
- ½ teaspoon pepper
- Salad oil
- ⅔ cup all-purpose flour, unsifted
- 2 tablespoons sesame seed
- 3 eggs, slightly beaten

Remove fat and membrane from meat: place between wax paper and pound with a mallet until about ¼ inch thick. Cut into 2-inch squares.

Combine soy, sherry, sugar, onions, garlic, ginger, and pepper. Place meat in a bowl, pour soy mixture on top, cover, and refrigerate 1 to 1½ hours. Heat about ¼ inch oil in a wide frying pan over medium-high heat.

Combine flour and sesame seed. Lift meat from marinade, drain briefly; dredge in flour mixture, shake off excess, then dip in egg. Fry a few pieces of beef at a time until brown on all sides. Drain on paper towels and keep warm until all are cooked. Serves 6 to 8.—*D. H., Kula, Hawaii.*

with barbecued meat, crisply coated beef squares, and an ice cream pie.

To share your warm weather recipes, mail them to *Sunset Magazine*, Menlo Park, Calif. 94025. We pay $25 for each recipe published.

Whole-meal salad, potato-sausage supper . . . both quick. Make-ahead vegetables, soup, fritters

Potato-Sausage Supper

Choose kielbasa, frankfurters, or smoked sausage links.

- 1 pound fully cooked sausage, thinly sliced
- About 1½ pounds boiling potatoes
- 6 tablespoons butter or margarine
- 1 large onion, sliced
- ½ cup *each* chopped celery and dill pickle
- ¾ cup dill pickle liquid
- 1 tablespoon sugar
- ½ teaspoon *each* caraway seed and dry mustard
- Salt and pepper
- Chopped parsley

In a wide frying pan over medium heat, cook sausage until browned on all sides; lift out and reserve.

Cut unpeeled potatoes into ¼-inch-thick slices. Melt 3 tablespoons of the butter in the pan, add potato slices a few at a time, and coat each slice well with butter. Turn frequently, adding more butter as needed. Then add onion and cook, turning often, until vegetables are golden. Mix in celery, dill pickle, and sausage.

Combine pickle liquid, sugar, caraway, and mustard; pour over potato mixture. Cover and cook over low heat until potatoes are fork tender, 20 to 25 minutes; turn often. Add salt and pepper to taste; top with parsley. Serves 4.—*B. F., Kent, Wash.*

Chopped dill pickle and its liquid distinguish this simple, sturdy dish

Celery Lima Medley

You can prepare this dish early in the day, then bake just before serving.

- 3 slices bacon
- 3 cups celery, in ½-inch slices
- 1 large onion, chopped
- ½ medium-sized green pepper, seeded and cut in ½-inch squares
- 1 package (10 oz.) frozen limas
- ¾ teaspoon savory leaves
- ⅛ teaspoon pepper
- 1 can (10½ oz.) condensed cream of celery soup
- ⅓ cup milk
- 1 cup shredded Cheddar cheese
- Paprika

In a wide frying pan over medium heat, cook bacon until crisp; lift out, drain, crumble, and set aside. To the drippings, add the celery, onion, and green pepper, and cook until onion is limp. Remove from heat.

Meanwhile, cook limas according to package directions; drain well. Stir into cooked onion mixture with the savory, pepper, and bacon. Combine soup and milk and stir into vegetables. Spoon mixture into a shallow 2-quart casserole and sprinkle with cheese and paprika. Cover and refrigerate if made ahead.

Bake, uncovered, in a 350° oven for 25 minutes (35 minutes if chilled) or until hot throughout. Makes 6 servings.—*J. F., Lake Oswego, Ore.*

Sautéed vegetables and cooked limas are topped with cheese before baking

Caramel Nut Angel Pie

This show-stopper dessert can wait in the freezer for a special occasion.

- 2 egg whites
- ¼ teaspoon salt
- ¼ cup sugar
- 1½ cups finely chopped almonds
- About 1 quart *each* coffee and chocolate ice cream
- Caramel sauce (recipe follows)

In a mixer bowl, beat egg whites with salt at high speed until soft peaks form. Gradually add sugar, 1 tablespoon at a time, beating for 1 minute after each addition to form a stiff meringue. Fold in nuts.

Spread meringue in a well-buttered 9-inch pie pan, over bottom, sides, and slightly onto rim. Bake in a 400° oven for 10 minutes or until lightly browned. Cool completely. Fill with coffee and chocolate ice cream. Cover tightly with plastic wrap; freeze.

Serve pie with warm or room-temperature caramel sauce. Serves 6 to 8. —*P. S., Santa Rosa, Calif.*

Caramel sauce. Melt 2 tablespoons butter or margarine over medium heat; stir in ½ cup packed brown sugar and cook until dissolved. Slowly stir in ¼ cup half-and-half (light cream) and cook 1 minute, stirring constantly. Stir in 2 tablespoons chopped nuts and ½ teaspoon vanilla.

Scoop coffee and chocolate ice cream in meringue shell; pass caramel sauce

DARROW M. WATT

Drizzle *warm chocolate glaze over cooled cocoa ripple cake before serving*

When only a chocolate cake from scratch will do

To please a special someone or climax your next dinner party, why not bake a cake from scratch? And if chocolate is your choice, we offer three delicious candidates.

The first, baked in a tube pan, has a swirl of chocolate and nuts running through it plus a shiny chocolate glaze. The second version is for devoted chocolate lovers who enjoy its deep rich flavor in both cake and frosting. In the last cake, flecked with grated chocolate, ground almonds and bread crumbs are used instead of flour to give the torte intriguing texture.

Cocoa Ripple Cake

- 1 cup sugar
- 2 tablespoons unsweetened cocoa
- 3 tablespoons chopped walnuts
- ½ cup butter or margarine, at room temperature
- 2 eggs
- 1 teaspoon vanilla
- 1⅓ cups all-purpose flour, unsifted
- 2 teaspoons baking powder
- ¾ teaspoon salt
- ⅔ cup milk
- Chocolate glaze (recipe follows)

Stir together ¼ cup of the sugar, cocoa, and nuts; set aside.

In a mixer bowl beat butter and the remaining ¾ cup sugar until combined. Add eggs, one at a time, and beat until creamy. Beat in vanilla. Sift flour with baking powder and salt; add to creamed mixture alternately with the milk. Beat until blended.

Spoon about ⅓ of the batter into a well-greased and flour-dusted 6-cup tube pan. Make a trench in batter and fill with about ½ of the cocoa mixture. Add another ⅓ of the batter, make a trench, and fill with remaining cocoa mixture. Spread remaining batter over top.

Bake in a 350° oven for 40 minutes or until a wooden pick inserted in center comes out clean. Cool in pan about 20 minutes, then invert on a wire rack to cool completely. Drizzle with chocolate glaze. Makes 8 to 10 servings.—*J. V., Palo Alto, Calif.*

Chocolate glaze. Combine ⅓ cup semisweet chocolate pieces with 1 tablespoon *each* butter or margarine and light corn syrup. Place over low heat, stirring, until melted; thin with 1 to 2 tablespoons hot water to desired consistency.

Frosted Brownie Cake

- 2 cups all-purpose flour (unsifted)
- 2 cups sugar
- 1 teaspoon soda
- 4 tablespoons cocoa
- 1 cup water
- 10 tablespoons (¼ lb. plus 2 tablespoons) butter or margarine
- ½ cup buttermilk
- 2 eggs
- Creamy chocolate frosting (recipe follows)

Sift together the flour, sugar, soda, and cocoa into a large mixer bowl. Heat water and butter to boiling; remove from heat, cool slightly, then pour into dry ingredients and beat until well combined. Beat in the buttermilk, then add the eggs one at a time, beating well after each addition.

Pour batter into a well-greased 10 by 15 inch baking pan. Bake in a 350° oven for 25 minutes or until cake springs back when lightly touched. Let cool 15 to 20 minutes, then spread with frosting while still warm. Cut into 2½ to 3-inch squares. Makes 14 to 16 servings.—*J. C., Mesa, Ariz.*

Creamy chocolate frosting. In a mixer bowl combine 1 box (1 lb.) powdered sugar, ¼ cup unsweetened cocoa, ⅓ cup milk, and 1 teaspoon vanilla. Add ½ cup melted butter or margarine and beat until desired consistency.

Grated Chocolate Torte

- 1 cup (½ lb.) butter or margarine, at room temperature
- 1 cup powdered sugar (unsifted)
- 6 eggs, separated
- 1 cup (about 4 oz.) grated milk chocolate
- 1 cup ground almonds (whirl nuts in blender or food processor until finely ground)
- ⅔ cup fine dry bread crumbs
- 1 teaspoon vanilla
- Powdered sugar or sweetened whipped cream

Beat butter and the 1 cup sugar together until well blended. Add egg yolks, one at a time, beating well after each addition. Then add the chocolate, ground nuts, bread crumbs, and vanilla; beat until blended.

In another bowl beat egg whites until stiff, moist peaks form. Fold into butter mixture, gently but thoroughly. Spoon batter into a well-greased and flour-dusted 9-inch cheesecake pan with removable sides.

Bake in a 375° oven for 30 to 35 minutes or until a wooden pick inserted in the center comes out clean. Cool in pan for 10 minutes, then remove sides and cool completely. Dust with powdered sugar or top with whipped cream before serving. Makes 8 to 10 servings.—*L. G., Bremerton, Wash.*

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Clams popping *from their shells on top of juicy pink shrimp distinguish Basque version of paella. Bread, wine, and a green salad make the meal complete*

DARROW M. WATT

Our Basques have their own ways with paella. Here are two

The classic Spanish potpourri of meats, seafood, vegetables, and saffron-flavored rice known as *paella* has many variations. Several versions of it come to us from the Basques here in the West, including the steaming paella pictured above: a simply seasoned seafood mixture of clams and shrimp.

A second paella from the Basques, flavored with chorizos, is a spicy combination of chicken legs, vegetables, and rice. Both are easy to prepare, since they bake relatively unattended in the oven. They're suitable for family dinners and small informal dinner parties.

Basque Clam and Shrimp Paella

- 6 green onions
- 1 large clove garlic, minced or pressed
- ¼ cup butter or margarine
- 1½ cups long grain rice
- ⅛ teaspoon saffron (optional)
- 1 can (10 oz.) whole baby clams
- Water
- 1 bottle (8 oz.) clam juice
- 3 cups regular-strength chicken broth
- 1 teaspoon honey
- 1 bay leaf
- ¾ to 1 pound medium-sized raw shrimp, shelled and deveined
- ½ cup chopped parsley
- 1½ to 2 dozen clams in shells
- Lemon wedges

Thinly slice the white part of the green onions (also slice some of the tops and set aside). In a shallow 4-quart casserole that can be used over direct heat, or a wide frying pan, sauté the white parts of the onions and the minced garlic in the butter until soft. Add the rice and saffron (if used) and cook, stirring, until the rice is lightly browned, about 5 minutes.

Meanwhile, drain baby clams and measure liquid; add water to make 1 cup total. Add liquid to pan, along with clam juice, 1 cup of the chicken broth, the honey, and bay leaf; bring to simmering. (If using a frying pan, transfer browned rice to a shallow 4-quart casserole; bring clam juice and broth mixture to boiling and pour over rice.)

Cover and bake in a 350° oven for 30 minutes or until liquid is absorbed. Remove from oven, stir in 1 cup of the remaining chicken broth, and place shrimp on top. Cover and bake 10 minutes longer, then stir in the rest of the broth, the baby clams, parsley, and green onion tops. Push clams in shells into rice. Cover and bake another 15 minutes or until clams pop open. Pass lemon wedges at the table. Serves 4 to 6.—*H. R., Menlo Park, Calif.*

Basque Chicken and Chorizo Paella

Heat 1 to 2 tablespoons olive or salad oil in a wide frying pan, or in a shallow 4-quart casserole that can be used over direct heat. Add 4 to 6 chicken leg (thighs attached) and brown well; re move from pan when browned.

Meanwhile, remove casings from 4 me dium-sized mildly seasoned chorizo (about ¾ lb.) and cut into ½-inch-thic slices; add to pan and brown. Discar all but 2 tablespoons of the pan drip pings. Add 1 large onion, chopped; large cloves garlic, minced or pressed; small green pepper, seeded and chopped ¼ pound mushrooms, sliced; and 1½ cups long grain rice. Cook, stirring, unt vegetables are limp.

Stir in 2 cups *each* regular-strengt chicken broth and water, ½ cup dr white wine (or water), and ½ teaspoo *each* oregano leaves and dry basil; brin to simmering. If using a frying pa transfer vegetable-rice mixture to a sha low 4-quart casserole; bring broth mi ture to simmering in a saucepan an pour over ice.

Add chicken pieces to casserole, cove and bake in a 350° oven for 45 minut or until chicken and rice are tender (ad more white wine or water as needed rice appears dry). Sprinkle with 2 tabl spoons diced pimientos (drained), a ¼ cup chopped parsley (or gently s into rice) and serve. Makes 4 to 6 ser ings.—*J. I., Reno.*

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Barbequed Rock Cornish Game Hens

Ozark Mountain BBQ Sauce
- 1 cup cider vinegar
- 8 Tbsp. butter
- 2 cups chili sauce
- 2 Tbsp Worcestershire sauce
- 4 tsp. salt
- 1½ tsp. dry mustard
- Juice of 2 large lemons
- ½ clove minced garlic
- 2 tsp. brown sugar
- 1 tsp. Tabasco sauce
- Black pepper to taste
- Cayenne to taste

One hour before dinner wash hens and pat dry. Rub inside and out with butter. Stuff small onion and spices inside cavity and truss wings and legs.

Start your grill. Skewer hens through sides. Make sure they are secure and tied with equal compactness.

When coals are gray, brush hens with sauce and start roasting. If no spit is available, lay birds on grill breast side down first, then turn every 15 minutes. Baste and turn frequently. Hens are done when drumsticks move easily.

Write for free Cornish Hen recipes: Tyson Foods, Inc., Department C, Springdale, Arkansas 72764

Tyson also makes delicious Chicken Franks, Corn Dogs, Bologna, and Country Fresh Chicken.

Tyson is never out of season. Tyson

DARROW M. WATT

Lemon curd *on hot scones: Serve it with tea as the British do*

Out of the blender, lemon curd

The English often serve a tart-sweet preserve called lemon curd. This velvet-smooth spread has a texture and flavor much like that of lemon pie filling.

Our version of lemon curd is quickly made in a blender; it can be stored in the refrigerator, frozen, or canned. Serve it as a topping for berries, gingerbread, shortbread cookies, or sweet biscuits; use it as a cake filling; or mix it in equal proportions with whipped cream to spoon into baked tart shells.

Lemon Curd

In the container of a blender, combine 2 teaspoons grated lemon peel, ⅔ cup lemon juice, 5 eggs, and 1 cup sugar; whirl until smooth. With the motor at slowest speed, gradually add ½ cup melted butter or margarine, pouring in a steady stream; whirl just until blended.

Transfer mixture to a small heavy pan and cook over medium heat, stirring constantly, about 5 minutes, or until it begins to bubble and thickens. Remove from heat. Process in canning jars (directions follow); or cool slightly, cover, and refrigerate or freeze. It keeps in the refrigerator for about 1 week or in the freezer for several months. Makes about 3 cups.

To process lemon curd, place 3 half-pint canning jars in boiling water to cover for 10 minutes; scald bands and lids in boiling water. Invert jars to drain thoroughly. Ladle hot lemon curd into hot sterilized jars to within ⅛ inch of rims; wipe rims clean with a damp cloth, top with lids, and screw on bands. Cool well, away from drafts, on several layers of cloth toweling. □

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Familiar standby: *glistening whole berries beneath a splash of sweet cream or milk*

DARROW M. WATT

Crushed strawberries, *sweetened to taste, crown egg pancake stuffed with cottage cheese, topped with yogurt. For each pancake, cook 1 beaten egg in small buttered pan until set. Down the center, mound cottage cheese seasoned to taste with grated lemon peel and ground cinnamon; roll up*

Fresh strawberry madness in May

On a pancake, with cream cheese, with granola, with yogurt, on a waffle, in a nog, on a muffin

Breakfast adventures await those who have yet to deviate from an occasional bowl of plump strawberries with cream. There are many other irresistible ways to enjoy the juicy goodness of berries at their prime season.

This is the month to explore the possibilities. Thanks to continuing good growing weather, the 1978 California strawberry crop is enjoying a record-breaking season that will probably peak in early May. The Northwest crop will be in a little later. And the berries are expected to remain high in quality.

Improvise while the supply abounds. To get you started, we present the customary strawberries and cream plus several other breakfast suggestions that take advantage of their freshness, flavor, and versatility. Most of our strawberry breakfasts can be assembled in a minute or two, ready to enjoy even on busy work and school days.

ell. Stir in 3 cups rolled oats and 1 cup ıopped nuts.

ivide batter between two greased 10 by 5-inch rimmed baking pans. Spread bat- r evenly over bottom of one pan; bake a 350° oven for 12 minutes or until ırface is just dry (do not overbake). Meanwhile prepare second pan.

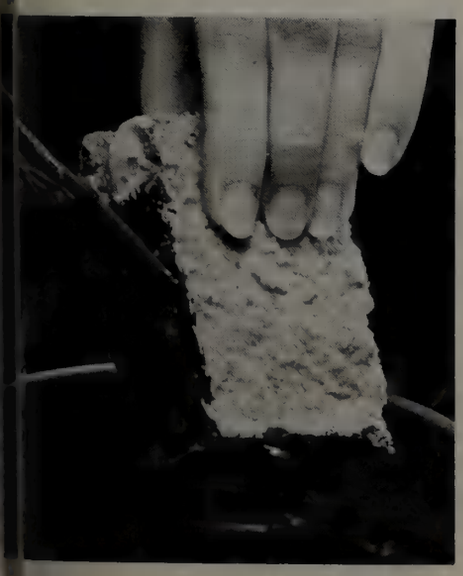
emove from oven; immediately use a ıarp knife and ruler to cut into 16 rec- ngles, each 2½ by 3¾ inches. Remove ookies from pan while warm; cool on ire racks. (Bake the second pan while ıtting cookies from the first.)

assemble sandwiches: Cut 8 slices, ch ½ to ¾ inch thick, from a half llon of brick-packed vanilla, coffee, ppermint, or other flavored ice cream; t each slice in half. Sandwich each ice eam slice between two cookies. Place a baking sheet and freeze, uncovered, ıtil firm, about 4 hours.

coat sandwiches: Place 3 packages oz. *each*) plain or mint-flavored semi- eet chocolate pieces in the top of a uble boiler. Add 5 tablespoons solid getable shortening and place over hot ot boiling) water; stir until melted and ıooth (100° to 110°). Chocolate be- mes too thick if overheated; to thin it, nply remove from heat and stir a few nutes until it cools. To reheat, place er hot (not boiling) water and stir until lted.

ke a few sandwiches from freezer at a ne; if desired, trim off any uneven oky edges. With a paintbrush, coat ice am edges with chocolate (see photo- ıph below), then lay sandwiches on a king sheet and coat top. Freeze, un- vered, until firm, about 45 minutes.

heat chocolate. Turn sandwiches over l coat remaining cooky base. Freeze ain, uncovered, until firm, about 45 nutes. Wrap each sandwich in foil and re in the freezer. Makes 16 ice cream ndwiches. □



t edges *and one side with melted colate; freeze, then coat the rest*

Why do educated wine drinkers seek out Souverain?

They know a little knowledge can be delicious. They also know every word on the Souverain label points to quality. Take a look. Or better yet, seek it out and take a sip.

The vintage date means 95% of the grapes used had to be harvested in this year. All Souverain varietals are vintage dated.

Winery name and location. In the heart of California's premium wine country, Souverain selects only the choicest grapes from prime estates.

Varietal designation. The name of the noble grape that inspired the wine. By law, only 51% of this grape must be used. But many Souverain varietals are 100% —except where blending enhances quality as in this 96% Cabernet Sauvignon.

Appellation. California's North Coast is famous for little "microclimates" that produce the best grapes. That's where all Souverain grapes are grown.

The fine line. The key word is *produced.* It means Souverain winery made this wine from start to finish. No *other* word assures such care.

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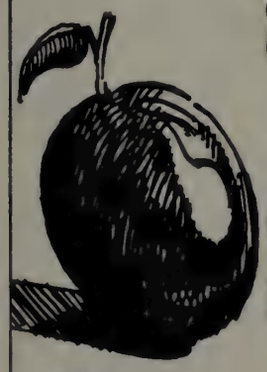

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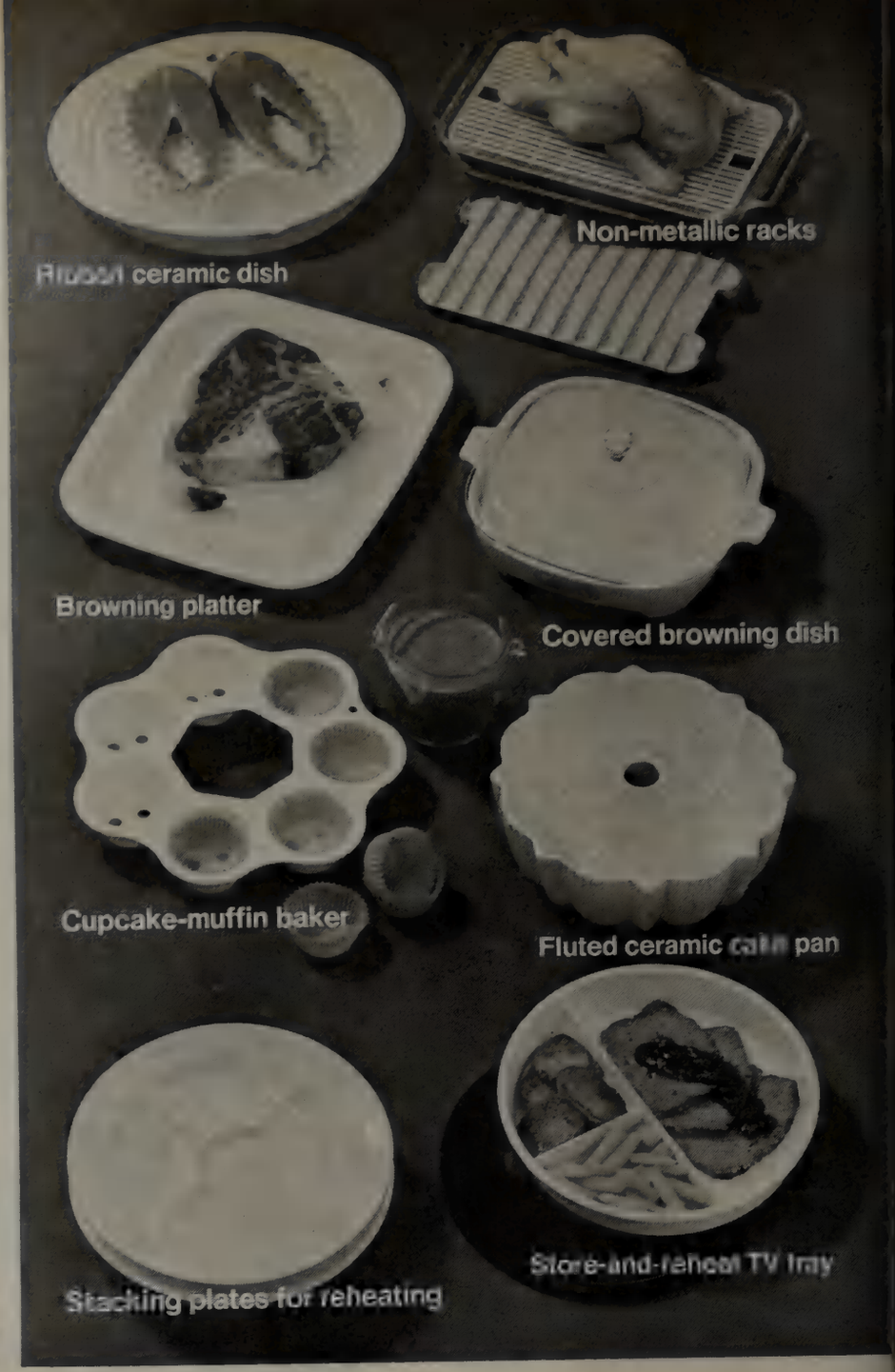
DARROW M. WATT

A probe *or food sensor is one feature of some variable-power units; oven shuts off when meat reaches desired temperature*

Browning element *in top of this oven will crisp and brown skin before or after cooking electronically*



Here's a sampling *of the plastic and ceramic ovenware especially designed for microwave cooking, baking, and reheating*

What are your choices today in microwave ovens and ovenware?

There's little doubt about the increasing popularity of microwave ovens: This year for the first time, microwaves are expected to outsell conventional ranges. But with about 30 brands on the market, each offering different models with a variety of features, it's hard to know which microwave oven to buy.

Most of the queries we receive from our readers concern the advantages of the various sizes and optional features. Here is help in deciding which oven would be right for you.

What's available? By far the most popular are countertop units costing $200 to $700. They require no special installation—just a nearby grounded (three-hole) 120-volt electrical outlet.

There are also compact models designed for small kitchens, vacation cabins, RVs, and boat galleys. Many countertop units can be built in, if desired, or stationed on a cart for easy moving from room to room.

Countertop models draw 400 to 7(watts, with 600 to 700 being commone —so most published microwave recipe including those in *Sunset*, are timed f these units. When the wattage is le cooking times need to be extended.

Also available are built-in wall un ($800 to $1,700) with both a microwa and a conventional oven, one above t other. And there are built-in cooki centers or freestanding ranges—eith gas or electric—with separate micr

SUNS

With Sony's new electronic digimatic clock radio, every second counts, but not out loud. Because the clock is electronic, with no moving parts, all you hear from it is the sound of silence. The FM/AM radio, on the other hand, with its big 3¾" speaker, gives you full, rich Sony sound, loud and clear.

The electronic clock numbers appear, of course, in lights which you can make brighter or dimmer as you see fit. There's an alarm light time display so you can see at any time exactly what time you're set to wake up. There's a switch you can pull to automatically zero in to the 0 second for perfect timing. And the entire clock radio is on an adjustable base so you can have the right angle at any angle.

There's even a new flashing power-failure indicator light. Plus all the accoutrements—snooze bar, 0-59 minute sleep-timer, 24-hour pre-set, earphone jack, FM external antenna—and a cabinet color choice of metallic gray or silver.

All in all, it's a time machine as up to the minute as you can get. Model [illegible] Digimatic Clock Radio

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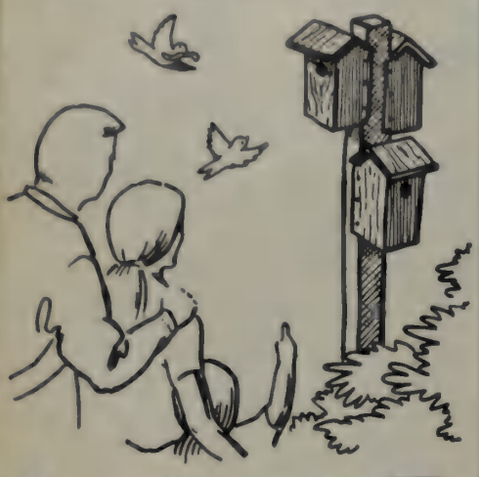

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wave and conventional ovens ($850 to $1,300). At least one manufacturer builds a freestanding range with a single oven that can be operated electronically or conventionally.

The question of safety. Microwave ovens manufactured since October, 1971, must conform to emission standards established by the Technical Electronic Products Radiation Safety Standards Committee. Are these stringent enough? Research is continuing. A future *Sunset* article will explore this matter.

Cooking with microwaves. If microwave cooking is new to you, it's important to understand—before you buy—how these ovens work and how their owners actually use them. All microwave ovens have a magnetron tube that generates electromagnetic waves. These waves are either reflected, transmitted, or absorbed. Metals reflect them; glass, paper, and most plastics transmit them; foods absorb them. Microwaves enter food and cause its moisture molecules to vibrate rapidly; the friction created results in heat energy which cooks the food.

Microwave cooking is fast: A slice of bacon cooks crisp in 1 or 2 minutes, a potato bakes in 4 to 6. But cooking speed depends on four factors: the temperature of the food (frozen, refrigerated, or room temperature) when you put it in the oven, its density, its moisture content, and how much food you put in at one time (the more potatoes you bake, the longer the cooking time).

Because their appliance is called an oven, new microwave owners are frequently surprised to discover it successfully handles many top-of-the-range jobs. Fresh and frozen vegetables cook right in their serving dish in little or no water. Butter can be melted in a custard cup or ceramic serving container, or chocolate in its own paper wrapper. You can scald milk for yeast breads and custards or prepare a sauce in a glass measuring container.

Dial your power level. The original electronic ovens were designed to operate at just one power—high. To slow the cooking, you had to manually stop and start the oven. Then came two-power units with a defrost cycle (generally the equivalent of about ⅓ to ½ power). Today, just a few of the lowest priced models are one and two-power units. Most countertop models now have multipower levels (some controlled by computer and others by hand), designed for different cooking procedures.

The lower power settings have several advantages. Because the power is reduced, foods demand less attention—less rotating of the dish and less stirring. At the lower settings, frozen foods defrost more uniformly and larger quantities of cooked foods reheat more evenly. With multipowered ovens, you can easily adjust the power up or down, as with a gas or electric range, allowing fo more creative cooking and better result than when just full power is used. At 7 to 80 percent power, oven roasts wi brown better and cook more evenly. A 30 to 40 percent power, delicate eg dishes such as custards are more tende and even textured.

Some top-of-the-line models have built-in memory for programmed cook ing. By merely touching numbers on heat-sensitive control panel, the owne can set the cooking speed (power level and time for three to four consecutiv operations, such as defrost then cook or cook then keep warm.

Some owners enjoy this feature; other feel it's too difficult to predetermine th exact time of each procedure to insur best results. They choose the less ex pensive multipower models, and chec after each cooking operation to mak sure meats are evenly defrosted and pe haps to add a sauce before cooking, t remove giblets and rinse a chicken aft thawing and maybe brush it with a glaz before cooking, or to remove cooke foods and reheat if necessary (instead keeping them warm), so the oven is fre for another dish.

Cooking by temperature. Some micr wave ovens include a plug-in thermon eter called a probe or food sensor (se the upper left photograph on page 21 that lets you cook by temperature instea of time. You insert the thermomet directly into the food and the oven wi turn off automatically when the foo reaches the desired internal temperatur An alternative is a separate meat the mometer especially made for microwa ovens. *Do not use a regular meat the mometer in a microwave oven.*

The plug-in probe works well for roas and can also be used in other foods su as sauces or cooked foods that are bei reheated. Again, the oven will turn when the desired temperature is reache Without a probe you can check to dete mine when things are hot enough, ju as in conventional cooking.

Other features. These include an el ment for browning food before or aft it has cooked electronically; a turntab so the food revolves for more even coo ing; an automatic start you can set the oven will begin cooking at a desi nated time; a built-in recipe guide th gives the cooking times for many favo ite foods; an oven with a rack for coo ing several foods at once; and an aut matic sensor that monitors heat giv off by the food, then shuts the oven at the prescribed temperature.

As with any kitchen appliance, no o model offers all available options. Sh and compare brands, features, a

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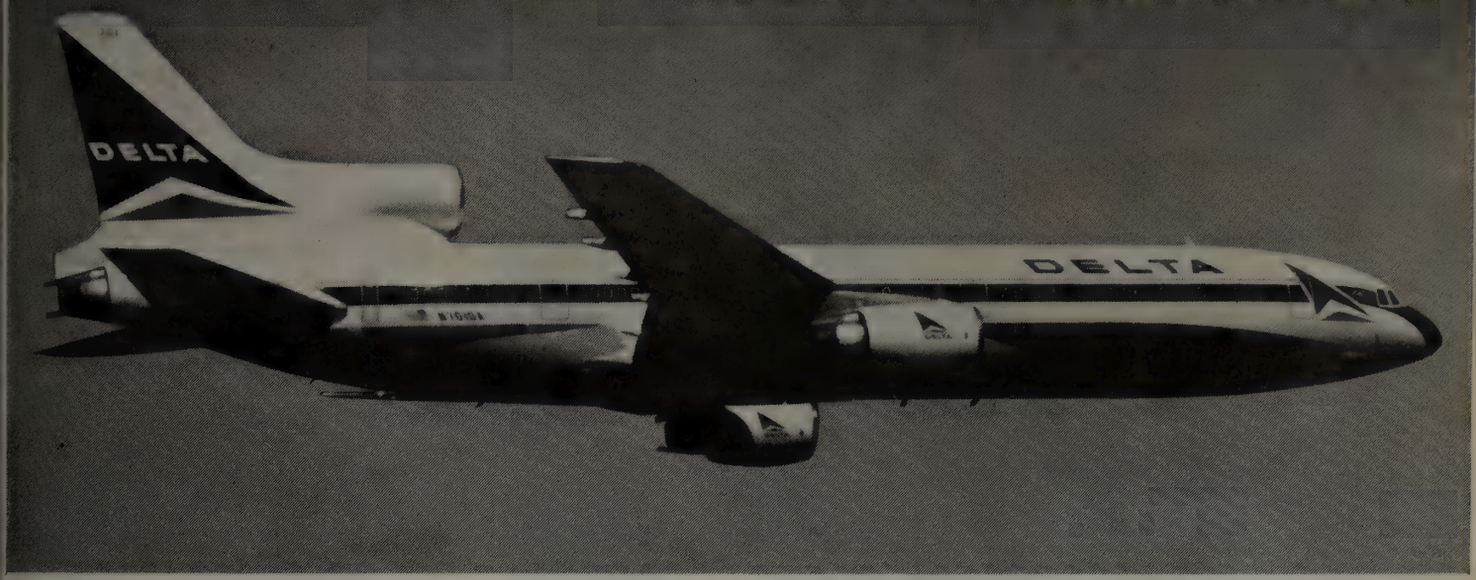

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7:15a SF	—	2:12p One-stop Thru	—
7:40a SF	12:40p Nonstop	—	4:52p One-stop Thru
7:48a SJ	12:42p Nonstop	2:25p	4:52p
9:50a SF TriStar	2:48p Nonstop	4:42p One-stop Thru	—
11:50a SF TriStar RS	—	—	7:09p Nonstop
3:10p SF TriStar RS	8:08p Nonstop	10:17p	11:49p One-stop Thru
4:05p SF RS	—	—	11:21p Nonstop (Sa .only)
7:45p O	1:42a One-stop Thru	3:32a Thru	—
9:20p SF Night Coach	—	4:17a One-stop Thru*	—
10:00p SF NC TriStar	—	—	5:14a Nonstop
10:55p SJ Night Coach	5:00a One-stop Thru	8:07a	9:20a
12:03a O Night Coach	5:00a Nonstop	8:07a	9:20a
12:40a SF NC TriStar	5:38a Nonstop	8:07a	9:24a One-stop Thru

*Friday, Saturday only. O: Oakland. SF: San Francisco. SJ: San Jose. RS: Royal Service. NC: Night Coach.
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prices before you decide. What some may see as an advantage, others may consider a gimmick.

If you're designing a new home or remodeling an existing kitchen, you might consider a built-in unit or a freestanding range. Otherwise, a countertop model is the simplest, least expensive solution.

Where you will put a countertop oven in your kitchen may help determine your selection. Be aware of your available space—outside oven dimensions vary. And some oven doors are hinged on the left-hand side so the door swings out; others are hinged on the bottom, so the door opens down. (See the April 1976 *Sunset* for seven answers to microwave oven location.)

Microwave utensils. Companies that manufacture glass, ceramics, plastics, and paper have turned their attention to producing products designed for microwave use (see the large photograph on page 210). Of course you can use any nonmetallic utensils you already have, but special items such as a browning tray or dish, roasting rack, and baking utensils allow more versatility.

The porous clay ovenware you presoak also works well in a microwave oven: It supplies a built-in steam jacket for cooking less tender cuts of meat such as pot roasts and stews.

Microwave stores and classes. To handle the ovens and related products, microwave stores are opening throughout the West. On a single visit you can compare several brands, see their various features demonstrated, and discuss them with knowledgeable people. Generally these stores back each sale with a one or two-month trade-in privilege if you change your mind as to the brand or features you want.

These stores frequently sponsor cooking classes to help new microwave owners become familiar with electronic cooking. Such classes are also available through adult education and recreational programs in many places.

Speaking from experience. Many enthusiastic oven owners responded to our invitation to share their own experiences. All agree a microwave oven does save time—it thaws frozen foods fast, shortens cooking time, and reheats leftover or made-ahead dishes quickly with little flavor loss. And it generally saves energy—the kind supplied by the utility company as well as the cook's, plus unanticipated savings in cleanup.

Generally, owners are also in agreement on what they do and don't cook electronically. All enjoy the way the microwave oven cooks vegetables, fruits, fish, seafood, and sauces. They differ when it comes to meats.

Bacon, fully cooked sausages, frank-

furters, meat loaf, and other ground-meat dishes are microwave favorites. Many cooks, however, still prefer to roast beef and lamb in a conventional oven: Although it takes longer, they feel that it produces a superior texture and appearance for the more expensive cuts. To others, the speed of the microwave means they can enjoy a roast even when time is limited.

Since they cook a large bird only once or twice a year, the owners really didn't care whether or not their oven could hold a turkey. But they frequently cook chicken or Cornish game hens electronically; the meat is tender and extremely juicy in a matter of minutes. Lack of browning is no problem when the cooked meat is for sandwiches, salads, or casseroles. When eye appeal counts, they brush the skin with a glaze before cooking, or cook chicken parts with a crumb coating or in a sauce.

Many veteran microwavers often use combination cooking. They first brown chicken parts or pork chops conventionally, then quickly complete the cooking electronically. Or they reverse the process and partially cook spareribs, short ribs, or chicken in the microwave oven so the food needs only a brief time under the broiler or on the barbecue to brown.

Several cooks discovered how to enjoy two barbecued meals from one fire. After barbecuing the meat for dinner, they load the still-hot grill with ground beef patties or steaks. Once these have been seared, they cool, wrap, and freeze them, then microwave them later for a second supper.

Because the volume of food determines the cooking time in the microwave oven, it's often more practical to cook a quantity of food conventionally and use the microwave to reheat it at serving time. For instance, it's quicker to broil a quantity of bacon-wrapped party appetizers; then use the microwave to reheat them just before serving. And it takes no more time to simmer a double recipe of spaghetti sauce or a stew on top of the range, then freeze half for a microwave meal another night.

Microwave baking? Opinions differ. Cakes and bar cookies, made with a naturally dark batter such as chocolate or spice, are a speedy solution to after-school treats. Upside-down cakes, cakes you plan to frost, and crumb crust for pies also do well in the microwave oven. But many cooks, even those with multi-powered ovens, still prefer to bake breads and pie shells in a regular oven. They use the microwave to reheat baked muffins, biscuits, rolls, or a breakfast pastry, or to have warm soft tortillas in seconds. Again, many cook in combination—they bake a pastry crust in a regular oven and a pie filling in the microwave, then combine the two. □

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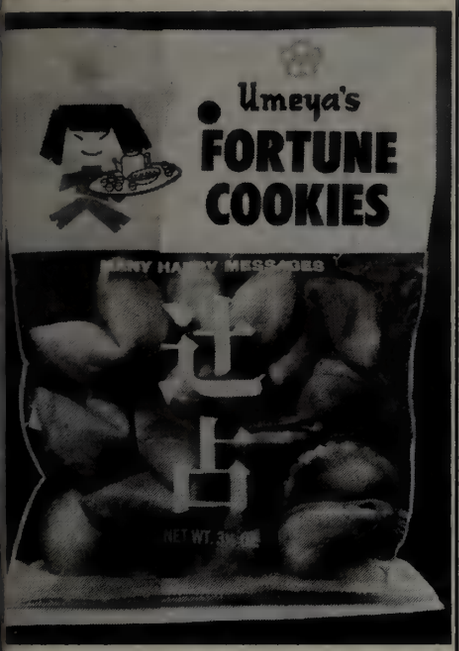

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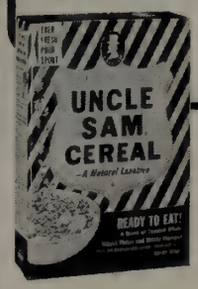

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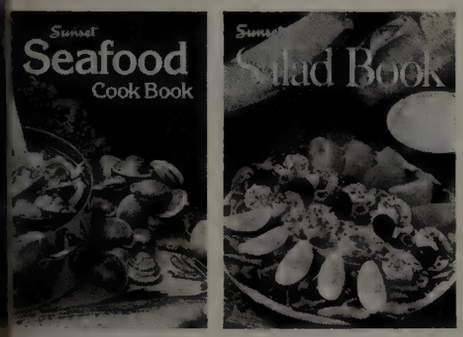

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Fish-stuffed tofu . . . you make pockets, stuff, then fry

Gently stuff *the savory fish mixture into the pockets you cut in each tofu triangle*

Fry *the tofu packets in hot oil until golden and puffy. Cool and chill them at this point if made ahead; then reheat in sauce to serve*

DARROW M. WATT

Simmer *tofu with lightly seasoned sauce and vegetables until hot and succulent. use a Chinese clay cooking pot (as shown) or frying pa*

)ne popular Chinese way to prepare ɔfu (soybean curd) is to stuff it with a avory mixture and fry it. In our meat-ess version, tofu triangles are filled with minced fish and onion mixture, fried, ıen simmered in a lightly seasoned auce laced with lettuce and mush-ɔoms. Serve it with rice.

'he dish can be made partially ahead, ıen reheated in broth to serve. Buy the rm squares of tofu for this recipe.

ish-stuffed Tofu

- 1 package (about 1 lb. 6 oz.) firm tofu squares
- Fish stuffing (recipe follows)
- About 1 quart salad oil
- 3 cloves garlic, pressed or minced
- 3 large iceberg lettuce leaves, cut in 2-inch squares (about 3 cups)
- ¼ cup frozen peas
- 1 can (4 oz.) whole mushrooms, drained
- 1 cup regular-strength chicken broth
- 2½ teaspoons cornstarch
- 2 tablespoons soy sauce or oyster sauce
- 1 tablespoon water

ut the tofu squares in half diagonally make 8 triangles. Let drain in a col-ıder at least 15 minutes, then place etween paper towels and gently press ıt excess water. On the widest side of ıch triangle, cut a pocket to within -inch of the edges. Gently stuff each ɔcket with about 1½ teaspoons of the h filling.

a wok or deep pan, heat about 1½ 2 inches salad oil to 350° on a deep-ıt frying thermometer. Add several fu triangles at a time and fry, turning ıce, until golden on all sides, about 4 5 minutes. Remove from oil and drain ı paper towels. Cool, cover, and chill, made ahead.

a wide frying pan or Chinese clay pot quart or larger) that can be used on p of the range, heat 1 tablespoon lad oil over high heat. Add garlic and ɔok, stirring, just until it begins to own. Add lettuce, then stir and cook st until lettuce begins to wilt, about 1 inute. Stir in peas and mushrooms; p with stuffed tofu. Pour broth over fu, cover, and simmer until tofu is ɔt—about 3 to 5 minutes if tofu is arm or at room temperature, about) to 12 minutes if cold.

ir together cornstarch, soy sauce, and ater. Push tofu away from one side of ın and stir soy mixture into broth; ɔok, stirring carefully so as not to break ɔ tofu, until the sauce boils and thick-is. Makes 2 or 3 servings.—*R. L., San ancisco.*

ish stuffing. Finely chop ¼ pound ɔneless lean white fillets such as rock-sh or turbot. Mix fish with 2 teaspoons inced green onion; ¾ teaspoon soy uce; ¼ teaspoon *each* cornstarch, lad oil, and sesame oil (optional); ⅛ aspoon *each* salt, sugar, and liquid hot epper seasoning; and dash pepper. □

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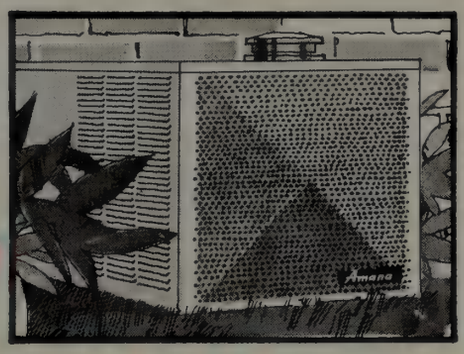

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GLENN CHRISTIANSEN

Occasional cooks *can take over kitchen duties on Mother's Day. They're serving her chutney-glazed chicken and a barley casserole*

MAY MENUS

Home-cooked dinner for Mom, also a buffet dinner of meatballs, and lunch or brunch with a feta quiche

What could be nicer than to treat Mom to a home-cooked dinner on her special day this month? Our first menu is an oven meal that's easy enough for the junior cooks in the family to prepare: chutney-glazed chicken served with a vegetable barley casserole.

Then, for a small buffet, there's a Swedish-style dinner of sweet and sour beans to ladle over juicy meatballs.

Our third menu features a savory spinach quiche that gets its distinctive flavor from feta cheese.

Mother's Day treat

Chutney makes a quick glaze for this baked chicken dish, and adds a mildly sweet, fruity flavor. Look for it in the gourmet section of your market.

Baked Chutney Chicken
Barley Vegetable Casserole
Buttermilk Biscuits Butter and Jam
Ice Cream Sundaes

Marinate the chicken in soy sauce while you prepare the barley casserole and get it into the oven. Then finish preparing the chicken and cook it for an hour. Purchase a can of refrigerated buttermilk biscuits and bake as directed. For the sundaes, top vanilla ice cream with your favorite topping.

Baked Chutney Chicken

- 1 large broiler-fryer chicken (about 3½ lbs.), cut in serving pieces
- ⅓ cup soy sauce
- ⅓ cup prepared Major Grey's chutney
- Parsley sprigs

Rinse chicken pieces, pat dry, and place in a deep bowl. Pour the soy sauce over the chicken and let stand about 15 minutes; turn pieces often.

Lift chicken pieces from bowl and arrange, skin side up, in a single layer on a rimmed baking sheet. Brush evenly with the chutney (finely chop large pieces). Bake, uncovered, in a 350° oven for hour or until chicken is tender when pierced. Transfer chicken to a serving plate; garnish with parsley sprigs. Serves 4 to 6.—*N. A., Mountain View, Calif.*

Barley Vegetable Casserole

- ¼ cup butter or margarine
- 1 pound mushrooms, sliced
- ¾ cup pearl barley
- 1 can (10¾ oz.) undiluted cream of onion soup
- 2 cups water
- 2 cups frozen mixed vegetables

Melt the butter in a frying pan; add the mushrooms and cook, stirring, for minutes. Add the barley and stir until mushroom liquid is absorbed. Stir in the soup and water, then transfer to a shallow 2½-quart casserole.

Cover and bake in a 350° oven for hour. Stir in vegetables, cover, and bake about 20 minutes longer or until barley is tender to bite. Fluff with a fork before serving. Makes 4 to 6 servings.—*G.C. Atherton, Calif.*

Swedish meatball dinner

This serve-yourself meal lends itself well to buffet-style service. The following amounts will feed 4 to 6, but all the recipes can easily be doubled to serve a larger group.

Sweet and Sour Kidney Beans
with
Swedish Oven Meatballs
Scandinavian Tray Salad
Dark Rye Bread Butter
Rhubarb Berry Parfaits

You can prepare all or part of this meal well ahead. If you serve it buffet-style

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1 can (8 oz.) chunk pineapple in juice
1 package (6 oz.) Jell-O® Strawberry Flavor Gelatin
1½ cups boiling water
1½ cups ginger ale (or water)

Drain pineapple, reserving juice. Dissolve gelatin in boiling water. Add ginger ale and reserved juice. Chill until slightly thickened. Fold in pineapple and pour into 8-inch square pan. Chill until firm, about 4 hours. Cut into squares. Serve on crisp greens; garnish with mayonnaise and strawberries, if desired. Makes about 9 servings.

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use warming trays to keep the beans and meatballs hot.

Swedish Oven Meatballs

- ½ cup fine dry bread crumbs
- 1 small onion, finely chopped
- 1 cup milk
- 2 eggs
- 1½ teaspoons salt
- ½ teaspoon *each* pepper and caraway seed
- ¼ teaspoon *each* ground allspice and nutmeg
- 1 pound lean ground beef
- ½ pound *each* ground veal and lean ground pork

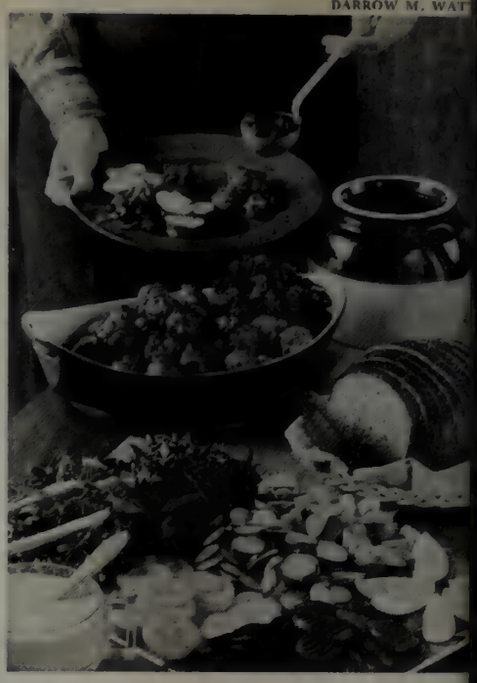
In a large bowl, stir together bread crumbs, onion, milk, eggs, salt, pepper, caraway, allspice, and nutmeg. Add the beef, veal, and pork, and mix thoroughly with your hands.

Shape meat into 1-inch balls and place on rimmed baking sheets. Bake, uncovered, in a 450° oven for 15 minutes or until meatballs are browned. Remove from pan with a slotted spoon and transfer to a serving dish. Serve hot, or cool, cover, and chill. To reheat, place covered meatballs in a 375° oven for about 15 minutes. Serves 4 to 6.—*K. H., San Jose, Calif.*

Sweet and Sour Kidney Beans

Drain 2 cans (1 lb. 11 oz. *each*) kidney beans, saving liquid; turn beans into a 4 or 5-quart pan. To the bean liquid, add ¾ cup packed brown sugar, 2 teaspoons dry mustard, and ⅓ cup all-purpose flour; stir to blend well.

Add liquid to the beans and bring to simmering, stirring; then add ½ cup cider or white vinegar. Simmer, stirring often, for 7 to 10 minutes or until slightly thickened. Season with salt and pepper. Ladle hot beans over Swedish oven meatballs (preceding recipe). Makes 4 to 6 servings.



DARROW M. WAT

Ladle hot *sweet and sour beans over spiced meatballs for a buffet supper; complement the entrée with a chilled tray salad*

Scandinavian Tray Salad

- 1 bunch (about ¾ lb.) spinach
- About 1 cup sliced radishes
- About 1½ cups shredded red cabbage
- 1 cucumber, peeled and sliced
- ¼ pound mushrooms, sliced
- 2 hard-cooked eggs, quartered
- 1 can (1 lb.) sliced pickled beets, drained
- Dilled cream dressing (recipe follows)

Discard spinach stems. Rinse leave well, drain and pat dry, then thinly slice On a large rimmed tray, arrange th sliced spinach, radishes, cabbage, cu cumber, mushrooms, and egg wedges. I made ahead, cover with plastic wra and refrigerate up to 5 hours.

To serve, arrange beets on the tray an set out dressing and tongs for serving Let guests assemble their own salad Serves 4 to 6.

Dilled cream dressing. Stir together cup sour half-and-half (or sour cream) 2 green onions, chopped; 2 tablespoon chopped dill pickle; ½ teaspoon sea soned salt; and ¼ teaspoon *each* dil weed and garlic powder. Cover and chil as long as overnight. To serve, thin wit 1 or 2 tablespoons milk.

Rhubarb Berry Parfaits

- 4 cups sliced fresh rhubarb (about 1½ lbs.)
- ¼ cup water
- 1 package (3 oz.) strawberry-flavored gelatin
- ¾ cup sugar
- 2 cups sliced fresh strawberries
- 1 pint vanilla ice cream
- Sweetened whipped cream and halved strawberries for garnish

In a 3-quart saucepan, combine the rhu barb and water. Cover and simmer unti

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WARING

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*For a copy of the ranges pictured in this ad and other international recipes, ask for your booklet "International Recipes" at your Panasonic microwave oven dealer.

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*Panasonic gives you a limited warranty which covers all parts except lamps, glass and plastic items, temperature probe (probe comes only with models NE-7900 and NE-7000) and oven interior and exterior finishes. It covers related labor for five years in the event of a manufacturing defect. The warranty includes replacement of the magnetron tube. Carry-in service is free at any Panasonic Servicenter. In-home service is also available, but you are responsible for any service call charge.

Thursday's chicken is Thursday's chicken. But a blend of two rices and twenty-three different herbs and seasonings is not a potato.

What a success.

Also available in Canada

rhubarb is tender, about 10 minutes.

Remove rhubarb from heat and stir in the gelatin and sugar until dissolved. Add the sliced strawberries and ice cream and let stand until ice cream is melted; stir occasionally.

Pour mixture into 6 stemmed parfait glasses (about 1 cup size). Cover and chill until set, at least 3 hours. To serve, garnish each parfait with a dollop of whipped cream and a strawberry half. Makes 6 servings.

Feta cheese quiche

Look for feta—the white, slightly salty Greek cheese—alongside other imported cheeses in the refrigerated section of your market.

Spinach and Feta Quiche
Cold Meat Board Sliced Tomatoes
Coffee or Tea

For the meat board, serve cold sliced ham, turkey, or beef. You can serve the spinach and feta quiche warm or at room temperature.

Spinach and Feta Quiche

- Pastry for a single-crust 9-inch pie
- 2 packages (10 oz. *each*) frozen chopped spinach
- About 6 ounces feta cheese
- ½ cup cottage cheese
- 6 green onions, sliced
- 1 tablespoon olive oil
- 1 teaspoon dry basil
- ½ teaspoon pepper
- ¼ teaspoon garlic salt
- 4 eggs
- ½ cup light cream (half-and-half) or milk

Prepare pastry using your favorite recipe or mix. Roll out dough and fit into a 9-inch pie pan; crimp edges. Line the pastry shell with foil and partially fill with dry beans or rice (helps prevent bubbles from forming in crust). Bake in a 400° oven for 10 minutes. Lift off foil and beans, return crust to oven, and bake until lightly browned, about 5 minutes longer. Let cool.

Meanwhile, squeeze out as much liquid as possible from the spinach and set aside. Crumble the feta into a measuring cup, packing it slightly; you should have ¾ cup. In a blender jar, whirl the feta, cottage cheese, onions, oil, basil, pepper, and garlic salt until smooth. Add the eggs and cream and blend well. Pour mixture into a bowl, add the spinach, and stir to mix well. Pour into pastry shell.

Bake pie in a 400° oven for 20 minutes; reduce temperature to 350° and bake another 10 to 15 minutes or until center jiggles just slightly when pan is gently shaken. Place on a wire rack and let stand at least 15 minutes before serving. Or let cool to room temperature before cutting into wedges to serve. Makes 4 to 6 servings.

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DARROW M. WATT

To assemble *each dessert bundle, brush flour tortilla with egg white and water, then roll it around the filling, tucking in sides*

Tasty filling, tortilla wrap, *chimechangas*

Lightly *sweetened chimechangas make an intriguing lunchbox treat*

Resembling a deep-fried burrito, *chimechangas* (chee-mee-*chong*-guss) are a savory snack specialty from northern Mexico. They're made by wrapping a flour tortilla around a tasty filling, then cooking the bundle in oil until crisp.

In our dessert version here, we've replaced the savory filling with lightly sweetened mixtures of walnut and honey, cheese and raisin, and fruit. The result is a crisp turnover-like treat that can be packed into lunch boxes for dessert or enjoyed as a snack anytime.

Dessert Chimechangas

- 1 dozen fresh flour tortillas
- Choice of fillings (recipes follow)
- 1 egg white beaten with 2 teaspoons water
- Salad oil
- Powdered sugar

Stack the tortillas, moistening the outside of the top and bottom tortilla with a few drops of water. Wrap securely in foil and heat in a 350° oven for 15 minutes or until warm and pliable.

Meanwhile, prepare the filling.

To assemble, work with one tortilla at a time, keeping others warm in foil. Spoon about ¼ cup of filling in a strip at one side of tortilla as shown in the top lef photograph. Brush surface of tortill with egg white mixture and fold tortill around filling, tucking in sides. Moiste ends with egg white mixture and la seam-side down; let stand several min utes to allow egg white to dry and seal.

To cook, put 1½ inches of salad oil in 3-quart pan and heat to 375° on a deep fat-frying thermometer. Add 2 filled tor tillas at a time and cook, turning unti golden brown on both sides, about 1½ minutes. Drain on paper towels. Sprin kle with powdered sugar and serve warm or cool. Makes 12 snacks or desserts.

Honey-walnut filling. Stir together unti blended 3 cups chopped walnuts, ½ cu *each* softened butter or margarine an honey, and 1½ teaspoons *each* cinna mon and ground allspice.

Cheese and raisin filling. Stir together cups (1½ lbs.) shredded jack cheese, cup raisins (or chopped prunes or drie apricots), and ¼ cup firmly packe brown sugar until blended.

Fruit pie filling. Drain 2 cans (1 lb. *each* cherry, peach, or other fruit pie filling reserve syrup for other uses and use onl the fruit for filling chimechangas.

We're so sure of the good taste of Coffee Rich® non-dairy creamer, we guarantee it.

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CELEBRATE DOLE FRESH PINEAPPLE WITH AN ENTICING POLYNESIAN SALMON SALAD.

1 fresh DOLE Pineapple
1 7¾ oz. can salmon, drained, flaked
½ cup cucumber slices, halved
½ cup cherry tomato halves
½ cup celery slices
1 qt. torn assorted greens
2 tablespoons chopped parsley
CATALINA French Dressing

Cut pineapple in half lengthwise through crown.

Remove fruit leaving shells intact. Core and chunk fruit toss lightly with salmon, cucumber, tomato, celery, greens and parsley.

Spoon into pineapple shells. Serve with dressing.

2 servings

® Dole—Reg. T.M. Castle & Cooke, Inc.

DARROW M. WATT

ress rice-spinach mixture *into casseroles to form crust for cheese-mushroom filling*

MEATLESS MAIN COURSES

Mushroom enchiladas ... or mushroom-rice casseroles

n abundance of mushrooms gives deli-te flavor yet heartiness to these meat-ss entrées.

savory stuffing of mushrooms, green iles, yogurt, and cream cheese fills the icy enchiladas.

ne individual casseroles have a crust brown rice laced with chopped spin-h. Inside is a cheesy mixture of mush-oms, onions, and broccoli. Each cas-ole is a generous meal of grain, vege-bles, and dairy products. For dessert u might serve a refreshing fruit salad.

eamy Mushroom Enchiladas

a large frying pan over medium-high at, cook 1½ pounds thickly sliced ushrooms in 4 tablespoons butter or argarine until golden and liquid has evaporated. Reduce heat to low and add 1 can (7 oz.) diced California green chiles; 1 cup sliced green onion; 1 cup unflavored yogurt; 1 small package (3 oz.) cream cheese (cut in small pieces); and 2 tablespoons flour. Cook, stirring, to blend in cream cheese, until mixture boils and thickens. Remove from heat.

Have ready enchilada sauce (recipe follows) and 10 fresh corn tortillas. With tongs, dip each tortilla in the bubbling sauce mixture for a few seconds to soften, then place in a greased 9 by 13-inch baking dish. Spoon about ½ cup of the filling down center of tortilla and roll to enclose, placing seam side down. Repeat until all are dipped and rolled. If sauce becomes too thick, thin with water or additional wine. Pour remaining sauce evenly over enchiladas.

Cover with foil and bake in a 375° oven for 20 minutes. Scatter 1½ cups shredded jack cheese over top and bake, uncovered, for about 5 more minutes or until cheese is melted. Makes 10 enchiladas or 5 servings.—*S. T., Felton, Calif.*

Enchilada sauce. In a large frying pan over medium-high heat, cook 1 large onion, chopped, in 2 tablespoons salad oil until golden. Add 2 cloves garlic, minced or pressed; 1 large can (15 oz.) tomato sauce; ¾ cup dry red wine or water; 1 tablespoon chile powder; 2 teaspoons *each* oregano leaves and honey; 1 teaspoon *each* salt, ground cumin, and ground coriander; and ¼ to ½ teaspoon liquid hot pepper seasoning. Bring to a boil, then reduce heat and simmer, covered, for 10 minutes. Keep hot or cover and chill for reheating later.

Individual Mushroom-Rice Casseroles

- 1 package (10 to 12 oz.) frozen chopped spinach
- 6 tablespoons butter or margarine (at room temperature)
- 2 cups cooked brown rice or cracked wheat
- About ½ pound fresh broccoli
- 2 medium-sized onions, coarsely chopped
- 1 pound mushrooms, quartered or thickly sliced
- 3 teaspoons dry basil leaves
- 2¼ teaspoons garlic salt
- ½ teaspoon *each* thyme leaves and pepper
- 3 tablespoons flour blended in ½ cup sherry, white wine, or water
- 2 cups shredded Cheddar cheese

Cook frozen spinach according to package directions; drain well, pressing out all liquid. Combine spinach with 2 tablespoons of the butter and the rice. Divide into 4 equal portions and press evenly over bottom and sides of 4 individual casseroles (each about 1½ to 2 cups). Cover and chill while you prepare other ingredients (at least 30 minutes).

Slice broccoli through flowerets and stalks into ¼-inch slices (you should have about 2 cups). Submerge into boiling water for about 2 minutes or until tender crisp. Then plunge immediately into cold water; drain well.

Melt remaining 4 tablespoons butter in a large frying pan over medium-high heat. Add onions and cook, stirring, until limp. Add mushrooms and cook, covered, for 10 minutes; then uncover and cook until liquid has evaporated. Stir in basil, garlic salt, thyme, pepper, and flour blended in sherry. Cook, stirring, about 1 minute to thicken. Remove from heat and stir in 1½ cups of the cheese and the sliced broccoli.

Divide mushroom mixture into 4 equal parts and spoon into the rice-lined dishes. Chill if made ahead. Bake in a 350° oven for 20 minutes (30 minutes if chilled). Scatter with remaining ½ cup cheese and bake for 5 minutes more or until cheese is melted. Serves 4. □

TOM WYATT

Glistening fruit ices *offer cool refreshment and capture the essence of fresh fruit. Clockwise from left foreground: orange, strawberry, papaya, pineapple*

FROM A NEW BOOK

Out of the food processor come velvety-fresh fruit ices

What's cooler than sherbet and lighter than ice cream? Refreshing fruit ices made from fresh fruit purées. To make them, all you do is freeze the purée, then whip it to a smooth slush.

Fruit ices can begin, end, or come between courses of any meal. And with the help of a food processor, they're especially quick and easy to prepare. Stored in the freezer, they'll keep their fresh fruit flavor up to a month.

Strawberry, boysenberry, raspberry, pineapple, papaya, lemon, and orange ices are some of the many time-saving recipes in *Sunset's* new *Food Processor Cook Book* (Lane Publishing Co., Menlo Park, Calif. 94025, 1978; $2.95).

Serve these ices alone or with fresh fruit for quick desserts. Some good combinations are strawberry ice with cantaloupe wedges, orange or raspberry ice with strawberries, and lemon ice with crenshaw melon wedges. To accompany meats, try pineapple ice with roast pork, lemon or orange ice with chicken, and raspberry ice with turkey.

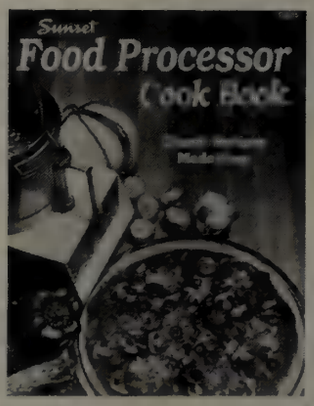
For these recipes, use a food processor fitted with a metal blade. If you don't own a food processor, you can still make fruit ices using your blender and electric mixer.

Fresh Strawberry Ice

4 cups hulled strawberries
½ cup water
1 tablespoon lemon juice
About ½ cup sugar

Process berries until puréed (or whirl in a blender until smooth). Add water and juice, then sweeten to taste with sugar. Process until sugar dissolves, about 5 seconds, then pour into a shallow metal pan, cover, and freeze until solid.

Remove ice from freezer and break into chunks with a wooden spoon. Process about ⅓ of the ice at a time, using on-off bursts at first to break up the ice. Then run processor continually until you have a velvety slush. (Or place all the ice in a mixing bowl and continue to smash into small pieces with a wooden



The mystery *disappears from food processors with this new Sunset cook book; it has recipes for everyday meals and entertaining*

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Spaghetti ahoy! Oh, buoy!

Our Marinara Sauce was created by Italian mariners. Perfect with Golden Grain's finest quality spaghetti, made with high protein Durum wheat—naturally golden fresh. Serve the recipe below with a green salad and stand back—you could get run down in the rush to the galley.

Mama DeDomenico's Crab Cioppino Spaghetti

- 1½ cups chopped onion
- 1 cup chopped green pepper
- 2 cloves garlic, minced
- 2 Tbsp. olive oil
- 2 cans (15 oz. each) GOLDEN GRAIN Marinara Sauce
- ¼ cup Burgundy wine
- ½ tsp. salt
- ¼ tsp. pepper
- 1 lb. cooked crabmeat
- 1 lb. GOLDEN GRAIN Spaghetti

Saute onion, green pepper, garlic in oil. Add Marinara Sauce, wine, salt, pepper; simmer 10 minutes. Add crab and heat through. Prepare Spaghetti according to package directions. Serve sauce over Spaghetti. Makes 6 (2 cup) servings.

Get Mama DeDomenico's recipes free. Send self-addressed, stamped business size envelope to: Golden Grain, P.O. Box 24024, Oakland, CA 94623.

spoon; then beat with an electric mixer, slowly at first, then gradually at higher speeds until smooth.) Pour into a bowl, cover, and freeze.

Let ice soften at room temperature about 10 minutes before scooping out portions; serve in clear glass. Makes about 3½ cups.

Boysenberry Ice. Process 4 cups boysenberries until puréed (or whirl in a blender); pour through a fine wire strainer and discard seeds. Return purée to processor and add 1 cup water and ¼ cup lemon juice; sweeten to taste with about 1 cup sugar. Process until sugar dissolves, then freeze and serve as directed for fresh strawberry ice. Makes about 4 cups.

Raspberry Ice. Process 4 cups raspberries until puréed (or whirl in a blender); pour through a fine wire strainer and discard seeds. Return to processor and add ½ cup water and 1 tablespoon lemon juice; sweeten to taste with about ½ cup sugar. Process until sugar dissolves, then freeze and serve as directed. Makes about 3 cups.

Pineapple Ice. Peel and core 1 large (about 4 lbs.) ripe pineapple, then cut it into chunks. Purée ½ the chunks at a time in a food processor (or whirl in a blender); you should have 4 cups altogether. Pour purée into a bowl and stir in 1 cup water and 2 tablespoons lemon juice; sweeten to taste with about ⅓ cup sugar. Freeze and serve as directed. Makes about 5 cups.

Papaya Ice. Peel 2 medium-sized ripe papayas. Cut in half, remove seeds, and cut into chunks. Purée papaya in a food processor (or whirl in a blender); you should have 2 cups. Add 3 tablespoons lime or lemon juice and ½ cup water, then sweeten to taste with about ¼ cup sugar or honey. Process until sugar dissolves. Freeze and serve as directed. Makes about 3 cups.

Lemon Ice. Use a vegetable peeler to remove the zest (colored part of peel) from 1 small lemon. Cut zest into ½-inch pieces and process with 1 cup sugar until finely chopped (or whirl in a blender). Add 1 cup very hot water and process about 10 seconds to dissolve sugar. Add 3 cups cold water, ⅔ cup lemon juice, and a dash of salt. Process to blend, then freeze and serve as directed. Makes about 5 cups.

Orange Ice. Use a vegetable peeler to remove a ½ by 3-inch strip of zest from an orange. Cut zest into ½-inch pieces then process (or whirl) with ¾ cup sugar until finely chopped. Add 1 cup very hot water and process to dissolve sugar. Add 1½ cups orange juice and 2 tablespoons lemon juice. Process to blend; freeze and serve as directed. Makes about 3 cups.

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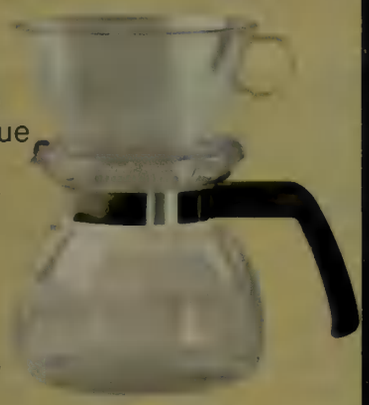

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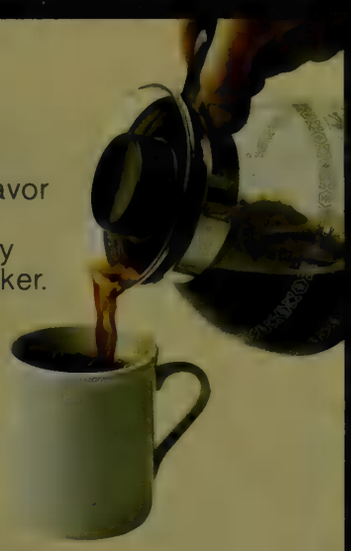

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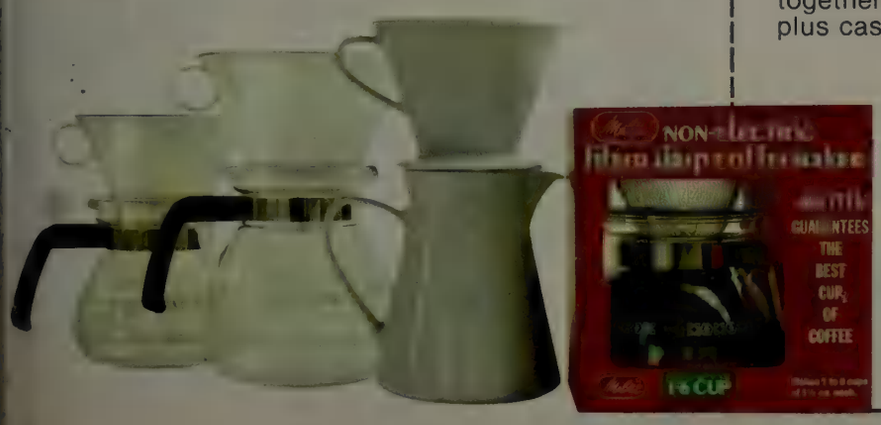

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How far can you go with muffins?

Few foods are as accommodating as muffins—you can fairly load them with nutritious ingredients and they taste better for it. That makes them excellent alternatives for breakfast.

These two recipes show just how far you can go with muffins. Both call for bran—processed bran in one, and bran cereal in the other. Both muffins are also generously laden with whole wheat flour, wheat germ, honey, and various dried fruits and nuts.

Our breakfast muffins also suit most low-cholesterol diets if they're made with the two egg whites instead of a whole egg, with nonfat milk or buttermilk (check the nutrition label), and with margarine or salad oil instead of the butter.

The recipes are quick to stir together—perfect for a weekend morning. But because they're so full of fruit and other moist ingredients, they also keep well in the refrigerator or freezer. Serve them fresh out of the oven, cold, or reheated.

Carrot and Bran Muffins

- 1½ cups unprocessed bran
- ¼ cup wheat germ
- 1 cup whole wheat flour, unsifted
- 1 teaspoon *each* baking powder and soda
- ½ teaspoon salt
- 1 cup shredded carrots
- ½ cup chopped walnuts or almonds
- 1 cup mixed dried fruit (choose from raisins, chopped apricots, dates, or prunes)
- 1 egg or 2 egg whites
- ¾ cup milk or nonfat milk
- ½ cup honey or molasses
- 3 tablespoons melted butter or margarine or salad oil

In a bowl, stir together the bran, wheat germ, flour, baking powder, soda, and salt. Add carrots and your choice of nuts and dried fruit; mix to distribute evenly. Make a well in the center.

In another bowl, beat the egg lightly, then mix in the milk, honey, and butter. Pour all at once into the dry ingredients and stir just to moisten all the ingredients. Spoon into greased or paper-lined medium-sized muffin pans, filling them ¾ full. Bake in a 400° oven for 15 to 20 minutes, or until a pick inserted in center comes out clean. Makes about 18 muffins.

Fruit and Bran Muffins

- 1½ cups whole bran cereal (not bran flakes)
- ½ cup boiling water
- 1 egg or 2 egg whites, lightly beaten
- 1 cup buttermilk
- ½ cup honey
- ¼ cup melted butter or margarine or salad oil
- 1½ cups mixed dried fruit (choose from raisins, chopped dates, prunes, or figs)
- ½ cup chopped nuts (walnuts or almonds)
- ½ cup whole wheat flour, unsifted
- ¾ cup all-purpose flour, unsifted
- ½ teaspoon salt
- 1¼ teaspoons soda

In a large bowl, combine the bran cereal with water, stir to moisten evenly, then allow to cool until lukewarm. Add the egg, buttermilk, honey, butter, dried fruit, and nuts. Stir until well blended.

In another bowl, mix together the whole wheat and all-purpose flours, salt, and soda. Combine the dry and liquid ingredients and stir just until evenly moistened. Spoon into greased or paper-lined medium-sized muffin pans, filling them ¾ full. Bake in a 425° oven until a pick inserted in center comes out clean, 20 to 25 minutes. Makes about 18. □

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ool, creamy frozen creations are a foolproof hit for desserts or cks. And with Knox Unflavored Gelatine, they're quick, easy foolproof to make. With Knox you make ice cream or rbet right in an ordinary freezer tray. And each one has delicious, creamy home-made taste you get only when make it yourself.

*Mrs. Judi Weldon, Granada Hills, CA.

STRAWBERRY ICE CREAM
1 envelope Knox Unflavored Gelatine
¾ cup sugar
2 cups milk
1 package (10 oz.) frozen strawberries in heavy syrup, thawed and chopped
2 cups (1 pt.) whipping or heavy cream, whipped

In medium saucepan, combine Knox Unflavored Gelatine, sugar and milk. Let stand 1 minute. Stir over low heat until gelatine is completely dissolved, about 5 minutes. ve from heat; stir in strawberries. Chill, stirring occasionally, nixture mounds slightly when dropped from spoon.

whipped cream into gelatine mixture. Pour into 2 freezer trays 10") or 8-inch baking pan and freeze until firm. Makes about uarts.

LIME SHERBET
1 envelope Knox Unflavored Gelatine
1 cup sugar
1-½ cups boiling water
½ cup lime juice
4 drops green food coloring
1 tablespoon grated lime peel
2-½ cups milk

In large bowl, mix Knox Unflavored Gelatine with sugar. Add boiling water and stir until gelatine is completely dissolved; add lime juice, food coloring and lime peel. Cool mixture completely; stir in milk. Freeze 1-½ hours or until mixture is frozen about ½-inch around sides of bowl. Beat with electric mixer or wire whip until smooth, about 2 minutes. Pour into 2 freezer trays (4" x 10") or 8-inch baking pan and freeze until firm. Makes about 1-½ quarts.

more fabulous recipes in **THE KNOX GELATINE COOKBOOK—only $1.99.** Exciting new ones and familiar favorites, from appetizers to erts, are in our 128-page hardbound edition. Send your name, address and $1.99 (check or money order only) to **Gelatine Cookbook, P.O. Box 9959-S—St. Paul, MN, 55199.** Zip code must be included to guarantee delivery.

ry, offer expires when supplies are depleted. Offer good in U.S.A., its territories and Puerto Rico. Void where prohibited, taxed or restricted. U.S. Military Overseas, please include umber. Allow 6-8 weeks for delivery. An offer of Knox Gelatine, 800 Sylvan Ave., Englewood Cliffs, N.J. 07632.

powder, corn, and chiles; beat to blend. Spread evenly in a greased 9-inch square baking pan.

Bake in a 375° oven for 30 to 35 minutes, or until a wooden pick inserted in the center comes out clean. Makes about 9 servings.

Roger D. O'Connell
Lakeside, Calif.

Thomas MacLean saw an avocado lying quietly beside a cabbage in his refrigerator. He smashed the avocado to a pulp, hacked the cabbage into slaw, and tossed in this and that, and mixed.

The result was good, so here it is.

Chile Slaw MacLean

- 1 large ripe avocado
- 2 tablespoons lemon or lime juice
- 1 tablespoon chopped fresh coriander (cilantro), optional
- 2 tablespoons canned diced California green chiles
- 1 clove garlic, minced or pressed
- 1 tablespoon instant minced onion
- Liquid hot pepper seasoning
- Salt
- 6 cups finely shredded cabbage
- [illegible] teaspoon caraway seed (optional)

Peel, pit, and mash the avocado; stir in the lemon or lime juice, fresh coriander (if used), green chiles, garlic, and minced onion until well blended. Season to taste with liquid hot pepper seasoning and salt.

Combine avocado mixture with cabbage, top with caraway seed (if used), and serve. Or cover and chill as long as overnight. Makes 4 to 6 servings.

Thomas J. MacLean
Concord, Calif.

"Chile evokes emotion . . . and one man's chile is another man's glop"

Chile is one of those foods that evokes emotion. There are even culinary duels fought over the stuff, and one man's chile is another man's glop. The group that gathered to discuss *this* chile was divided evenly between "Great!" and "Ugh!"—par for the course. You'll just have to try *Chef* Hausafus' chile. His method requires a slow cooker.

Chilehaus

- 1½ cup dried pinto beans
- 1 cup dried small red beans
- Water
- 6½ cups boiling water
- 1 pound bulk sausage
- 2 pounds lean ground beef
- 2 large onions, chopped
- 3 cups thinly sliced celery
- 1 teaspoon ground cumin
- 1 teaspoon paprika
- 1 teaspoon oregano leaves
- 3 tablespoons chile powder
- ¼ teaspoon cayenne
- 4 cloves garlic, minced or pressed
- 1 can (6 oz.) tomato paste
- 1 can (8 oz.) tomato sauce
- Salt and pepper

Place pinto and red beans in a large bowl, cover with water, and let soak

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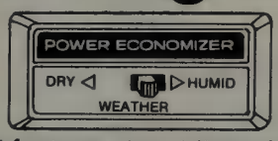

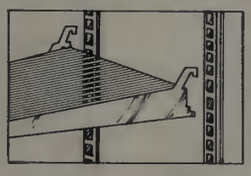

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SWEET & SOUR SAUCE MIX

Sweet and Sour Pork: Combine 1 Tbsp. cornstarch & 1 Tbsp. Kikkoman Soy Sauce. Cut 1 lb lean pork into 1-inch cubes; add to soy sauce mixture, stirring until coated. Heat 2 Tbsp. oil in pan over medium-high heat; add pork. Stir-fry until pork is brown. Add 1/4 cup of water, cover & simmer 20 min; stir 2 or 3 times. Meanwhile, dissolve contents of Sweet & Sour Sauce mix in 3/4 cup water and 1/4 cup vinegar. Cut 2 carrots into thin slices; 1 onion & 1 green pepper into 1-inch squares. Stir into pan with Sauce mixture. Bring to boil, reduce heat and simmer, covered, 10 min.; stir frequently. Add 1 cup drained pineapple chunks; cook only until pineapple is heated through. Serve immediately. Makes 4 servings.

NOTE: Prepare sauce per directions on package and use as a dipping sauce for appetizers. Or, heat and pour over cooked chicken, fish, pork chops or meatballs.

KIKKOMAN

overnight. Drain beans, rinse well, and place in a 6-quart slow cooker. Add the boiling water, cover, and start cooking on the highest setting.

Meanwhile, in a wide frying pan over medium-high heat, cook sausage and ground beef until brown and crumbly. Stir in onion and celery and cook, stirring often, until onions are limp. Drain and discard fat.

Stir meat mixture into beans with the cumin, paprika, oregano, chile powder, cayenne, and garlic. Cover, reduce heat to low, and cook 8 to 10 hours or until beans are tender to bite. Stir in tomato paste, tomato sauce, and salt and pepper to taste; continue cooking 30 to 45 minutes. Makes about 5 quarts.

Eagle Creek, Ore.

Chef Murray Segal goes to the Middle East for his mixture of lamb, almonds and raisins in a yogurt sauce. To be really authentic, you should serve this spiced meat and sauce surrounding a mound of rice or pilaf, and then let everyone dig in with fingers. But since this leads to spotted ties and much vacuuming, forks are permissible.

Lamb with Almonds and Raisins

- ¼ cup butter or margarine
- 1 large onion, finely chopped
- 2 teaspoons minced fresh ginger, or ½ teaspoon ground ginger
- 1½ teaspoons turmeric
- ¼ teaspoon cayenne
- 1 tablespoon all-purpose flour
- 2½ pounds lean boneless shoulder, cut in 1-inch cubes
- About ¾ cup water
- ½ cup raisins
- Salt and pepper
- 1½ cups unflavored yogurt
- ½ cup slivered almonds
- Hot cooked rice

Melt 2 tablespoons of the butter in a wide frying pan over medium heat; add onion and cook until limp. Then stir in ginger, turmeric, cayenne, and flour; cook until bubbly. Transfer to another container; set aside.

Melt remaining butter in the frying pan over medium-high heat; add lamb, a few pieces at a time, and brown well on all sides. Add ¾ cup water, cover, reduce heat, and simmer until lamb is very tender, about 1½ hours. Stir several times and add more water if needed.

Add onion mixture and raisins to lamb and cook, stirring, until mixture is thickened, about 3 minutes. Season to taste with salt and pepper. Add yogurt and cook just until heated—do not boil. Garnish with almonds and serve with hot cooked rice. Makes 6 to 8 servings.

Los Angeles

SUNS

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Grape leaves as wrappers with delicious insides

DARROW M. WA

Rice stuffing *fills grape leaves and hollowed tomatoes; serve with roast or barbecued meats*

Any mention of grape leaves is almost sure to suggest some favorite stuffed morsel to those with origins in the Middle East. Frequently the stuffings have a rice base, laced with the flavors of onion, herbs, and sweet spices; they often have nuts or raisins mixed in.

But there are other ways to go with vine leaves. The rice can be mixed with ground lamb or beef to make fare hearty enough for hot entrées, usually served with a sauce (see recipe on page 246). You can also substitute other grains for the rice, as in our lentil and bulgur-stuffed vine leaves recipe on page 246.

Cooked with olive oil and lemon juice, stuffed vine leaves are most delicious when prepared well ahead, then refrigerated and set out long enough to come to room temperature before serving. They are just right for appetizers when made about two-bite size. For serving on a buffet to accompany meats, they are best made a bit larger.

This is the time of year to gather fresh grape leaves to can or freeze. If you raise your own grapes or live in an area where table or wine grapes are grown commercially, pick the tender leaves as soon as they reach full size and before any spraying is done in the fields. Depending on the area and grape variety, this may be as early as mid-May or as late as July.

If it isn't convenient for you to pick fresh grape leaves, it's easy to find canned leaves in Western markets that stock gourmet items, or in delicatessens that carry Middle Eastern foods.

Following are directions for home canning and freezing grape leaves. The freezing technique, shared with *Sunset* editors by an Armenian family in Sacramento, is especially quick and easy, as the leaves go almost directly from the field to the freezer. If you use fresh leaves in any of the stuffed vine leaf recipes that follow, scald them first as directed in the section on how to can grape leaves.

Our recipes call for either small or medium-sized grape leaves. The sma ones—5½ to 6 inches across—are mo suitable for appetizers; the medium-size ones—6 to 7 inches across—are bett for entrées.

You'll probably find a range of sizes i the leaves you purchase, or in those yo pick yourself, so it might be helpful t separate them by sizes before rolling an cooking.

How to freeze grape leaves

Pick tender, unsprayed leaves short before you intend to freeze them so the

To prepare *grape leaves for canning, stack 6 or 7 scalded fresh leaves—vein side up, roll loosely, and insert in jars*

W. D. A. STEPHENS

To stuff *a leaf, put filling near stem end, fold sides to center, and roll*

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Chicken'N Corn Stuffin'

1 pkg. (7 oz., 7 cups) KELLOGG'S CROUTETTES Croutons
½ cup regular margarine or butter, melted
¾ cup hot water or stock
1 can (12 oz.) whole kernel corn with sweet peppers, undrained
1 pkg. (approx. 3 lbs.) HOLLY FARMS Chicken
½ teaspoon salt
Paprika

1. Place Croutettes Croutons in large mixing bowl. Add ¼ cup of the margarine, the corn and water, tossing lightly until croutons are evenly and thoroughly moistened. Spoon into 13 x 9 x 2-inch baking pan.
2. Place chicken pieces in single layer, skin side up, on top of stuffing. Mix together remaining ¼ cup melted margarine and salt. Drizzle over chicken. Sprinkle with paprika.
3. Bake uncovered in oven at 350° F. about 1 hour or until chicken is tender.

Makes 6 servings.

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will be fresh and crisp.

Have ready some rigid freezer containers, just large enough so that the leaves can lie completely flat. Trim off stems but do not wash—any traces of farm dust will be rinsed off when the leaves are scalded prior to use. Stack leaves one atop the other, with about 25 in each stack and with a piece of waxed paper between each stack. When container is full, cover tightly and freeze.

When you want to use the frozen leaves, scald and cool each stack as directed in the following section on how to can grape leaves, except scald the leaves until limp, about 1 minute.—*E. N., Sacramento.*

How to can grape leaves

Trim off stems from about 50 medium-sized grape leaves for each wide-mouth pint canning jar. For each 3 pints, you'll need either 1 cup lemon juice or 1 tablespoon citric acid (available in pharmacies). In addition to the wide-mouth jars, lids, and ring bands, you'll also need a canning kettle.

Thoroughly wash jars and bands (a dishwasher is ideal); keep hot. Immerse jar lids in boiling water; keep in very hot water until time to use. Place a rack in the canning kettle and fill kettle half full with hot water. Place on range to heat.

To scald grape leaves, bring to boiling 2 quarts water with 4 teaspoons salt. With tongs, grasp about 25 leaves at a time and put into boiling water, push down, and turn over. After 30 seconds, remove stack of leaves, place in a colander, and cool quickly under cold running water. When all leaves are scalded and cooled, remove and drain.

Stack 6 or 7 leaves at a time, with vein sides up. Roll up loosely and insert vertically into canning jars; you should get about 8 rolls (50 leaves) in each jar. Gently fold down any edges that stand above jar rim.

When 3 pints are full, bring to boiling 1 quart water with either 1 tablespoon citric acid or 1 cup lemon juice added. Pour over leaves into jars, filling them to within ½ inch of rims. Run a narrow spatula down between the leaves and sides of jars to release any air bubbles. Wipe jar rims with a clean, damp cloth and put on lids, screwing bands as tightly as you comfortably can. As each jar is finished, set in canning kettle filled with hot (not boiling) water.

When all the jars are in the kettle, add boiling water, if needed, to submerge jars at least 1 inch under surface. Cover

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ttle, increase heat, and process for 20 inutes after water returns to boiling. ft jars from kettle and place on a oth away from drafts until cool. Test r a good seal by pressing lid with your ngers; if it stays down when pressed, is sealed. Makes 3 pints.

the recipes that follow, you can use ther fresh-picked leaves that have been alded, or canned or frozen leaves. (Re-ove stems from leaves, if necessary.) e rolling technique is simple: spread e leaf on a flat surface with the veined de up and stem end toward you. Place e required amount of filling near the em end, then fold sides of leaf over ling, and roll away from you. (See otograph at bottom right, page 242).

ice-stuffed Vine Leaves

Water
¾ cup long grain rice, uncooked
6 tablespoons olive oil
¼ cup pine nuts or coarsely chopped almonds
3 large onions (about 1½ lbs.), chopped
½ cup raisins (optional)
4 teaspoons dill weed
¾ teaspoon *each* salt and ground allspice
½ teaspoon ground cinnamon
½ cup chopped parsley
⅛ teaspoon cayenne
3 tablespoons lemon juice
About 60 small or 30 medium-sized grape leaves (scalded fresh, canned, or frozen)
Extra grape leaves for lining pan

r the filling, bring 2 cups water to iling in a small pan. Stir in rice, then ok for 10 minutes after water returns boil; drain rice and set aside.

a 9 to 10-inch frying pan, heat oil er medium heat; add nuts and stir til lightly toasted. Remove nuts with slotted spoon and set aside. Add ions to pan and cook, stirring often, til golden brown—about 20 to 25 nutes; reduce heat if necessary to ep onions from browning too fast. Re-ove pan from heat and stir in rice, isins (if used), dill, salt, allspice, cinna-on, parsley, cayenne, nuts, and 1 table-oon of the lemon juice. Stir until well ended.

epare grape leaves and fill and roll em as shown on page 242, using about tablespoon of filling in each appetizer-e leaf, and 2 tablespoons in each nner-size leaf.

cook, spread several extra leaves er bottom of a 9 to 10-inch frying pan 5-quart Dutch oven (not aluminum). range filled rolls, seam sides down, se together in pan; make a second or rd layer if necessary.

read several more extra leaves over , then invert a heatproof plate di-ctly on top of rolls. Pour over 1½ ps boiling water and the remaining 2 blespoons lemon juice. Return to boil-g, then reduce heat, cover tightly, and

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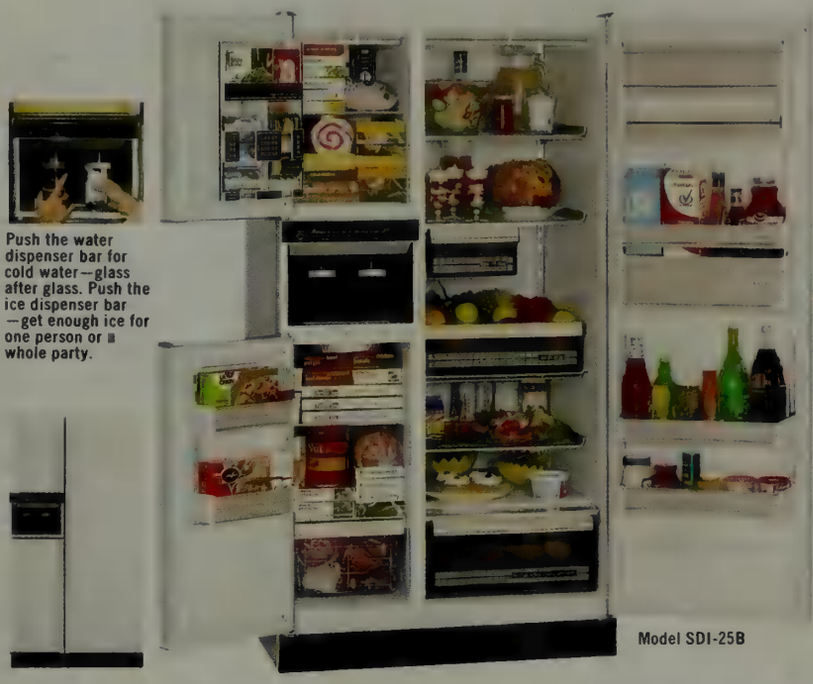

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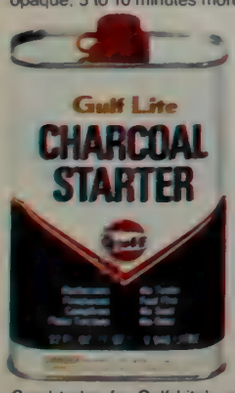
4 medium frozen rock lobster tails
½ cup butter or margarine, melted
2 tsp. lemon juice
1 tsp. grated orange peel
Generous dash *each* ground ginger, aromatic bitters, and chili powder

Thaw rock lobster tails. Cut off thin undershell membrane with kitchen scissors. Bend tail back to crack shell or insert long skewers lengthwise between shell and meat to prevent curling. (To butterfly rock lobster tails, partially thaw tails; snip through center of hard top shell with kitchen scissors. With sharp knife cut through the meat, but *not through undershell*. Spread open.)

Combine melted butter or margarine, lemon juice, orange peel, ginger, aromatic bitters, and chili powder; brush over lobster meat. With meat side up, grill lobster tails over *hot* coals for about 5 minutes. Turn, shell side up, and brush with sauce, grill till meat has lost its transparency and is opaque, 5 to 10 minutes more. Makes 4 servings.



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simmer for 30 minutes. Remove from heat and cool, without removing plate. Refrigerate if made ahead, then serve at room temperature. Makes about 60 appetizers, or 30 dinner-sized rolls.—*R. T., Los Angeles.*

Baked Stuffed Tomatoes and Vine Leaves

Prepare the filling as directed for rice-stuffed vine leaves. Use about half of the filling to stuff 8 small tomatoes, about 2 to 2½ inches in diameter.

Cut a slice off top of each tomato and reserve. Hollow out tomatoes, leaving a ¼-inch shell. Turn tomato pulp into a pan and heat, mashing with a fork until it boils. Press pulp through a wire strainer and discard seeds. Measure tomato liquid, then add water, if needed, to make 1 cup liquid. Add 1 teaspoon sugar and set aside.

Arrange tomatoes side by side in a 5 by 9-inch loaf pan and fill each with about 2½ tablespoons rice filling. Set tops on tomatoes; pour tomato liquid into pan.

Use remaining filling to stuff about 16 medium-sized grape leaves, using about 2 tablespoons filling in each leaf; arrange rolled leaves with seam sides down directly in a 9-inch square baking pan. Pour 1 cup hot water mixed with 1½ tablespoons lemon juice over rolls. Cover and set aside.

To bake, set both pans, tightly covered with foil, into a 350° oven; bake until tomatoes are tender, about 50 to 55 minutes. Remove and let cool; serve at room temperature. Serves 8, with 1 stuffed tomato and 2 grape leaves per serving.

Meat-stuffed Vine Leaves with Egg-Lemon Sauce

½ cup short or medium grain rice
1 pound lean ground lamb or beef (or some of each)
1 medium-sized onion, finely chopped
⅛ teaspoon *each* cayenne and pepper
1 teaspoon *each* salt and tarragon leaves
⅓ cup minced parsley
1 can (8 oz.) tomato sauce
5 tablespoons lemon juice
1 can (14 oz.) regular-strength beef broth
Water
About 30 medium-sized grape leaves (scalded fresh, canned, or frozen)
3 eggs
Lemon wedges and chopped parsley for garnish

If rice is coated with talc, rinse in cold water until water runs clear; drain. Combine uncooked rice in a bowl with the meat, onion, cayenne, pepper, salt, tarragon, parsley, tomato sauce, and 3 tablespoons of the lemon juice. Mix well.

Prepare grape leaves and fill and roll them as shown on page 242, using 2 tablespoons filling in each leaf.

To cook, arrange filled rolls, seam sides down, in a 9 by 13-inch baking pan. Combine beef broth with ¾ cups water and bring to boiling; pour over roll Add remaining 2 tablespoons lemo juice, cover pan tightly with foil, an bake in a 350° oven for 1 hour.

Remove rolls from oven and allow t stand a few minutes after cooking. The lift to a serving plate with a slotte spatula; cover and set in a warm ove while preparing sauce.

To make sauce, measure cooking liqui in pan and add water, if needed, to mak 1 cup. Pour into a small pan and brin to boiling. Meanwhile, beat eggs unt frothy. Gradually add hot liquid to egg beating constantly. Return mixture t the pan and heat, stirring constant until slightly thickened; do not boi Pour into a sauce dish and serve wit meat rolls. Garnish with parsley an lemon wedges, if desired. Makes abou 10 servings.—*A. B., Los Angeles.*

Lentils and Bulgur-stuffed Vine Leaves

½ cup *each* lentils and cracked wheat bulgur
Hot water
¼ cup olive oil or salad oil
⅓ cup pine nuts or slivered or chopped almonds
2 medium-sized onions, finely chopped
⅓ cup minced dried apricots
½ cup currants or raisins
¼ cup chopped fresh mint (or 2 tablespoons crushed dried mint)
1 teaspoon *each* salt and savory leaves
¼ teaspoon pepper
3 tablespoons lemon juice
About 60 small or 30 medium-sized grape leaves (scalded fresh, canned, or frozen)
Extra grape leaves for lining pan

Rinse lentils and examine them to pic out any foreign material. Add them t a pan with 1½ cups hot water, the cover and simmer until barely tende about 25 to 30 minutes. Drain, rins and set aside. Meanwhile, pour 1½ cu hot water over bulgur in a bowl and soa for 30 minutes; drain any liquid remai ing. Set aside.

In a 9 or 10-inch frying pan, heat o over medium heat, add nuts and cool stirring until lightly toasted. Remov nuts from pan with a slotted spoon an set aside. Then add onions to pan an cook, stirring often, until golden brow —about 15 to 20 minutes; reduce he if necessary to keep onions from brow ing too fast. Remove pan from heat an stir in lentils, bulgur, nuts, apricots, cu rants, mint, salt, savory, pepper, and tablespoon of the lemon juice. Mix wel

Prepare grape leaves and fill and ro them as shown on page 242, using tablespoon filling in each appetizer-siz leaf and 2 tablespoons in each dinne size leaf.

Cook rolled vine leaves as directed fo rice-stuffed vine leaves, pouring 1½ cups boiling water and remaining tablespoons lemon juice over them whe all rolls are in pan. Makes 60 appetize or 30 dinner-sized rolls.

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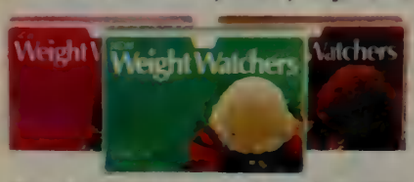

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DARROW M. WATT

Slowly grilled *pork steaks get smoky flavor; serve with potatoes, slaw, bread*

The pork steaks grill slowly. They end up deliciously smoky

The Swedes have a favorite technique of grilling pork so it stays moist and juicy while developing a distinctive smoky flavor. Their secret is to cook the pork very slowly over a low barbecue fire.

They often use thick slices of fresh bacon for their grilled *fläsk*—but we found pork steaks and shoulder pork chops a good substitute. Serve them with lingonberry jelly or cranberry sauce, if desired. To complete the menu, you might offer a side dish that's quickly made from frozen hash brown potatoes and flavored with lots of paprika, plus a crisp mustardy cabbage slaw and crusty rye bread.

Grilled Pork Steaks *(Fläsk)*

You'll need 6 to 8 pork steaks or shoulder pork chops, each cut ½ inch thick.

Start your barbecue fire with about 35 briquets and let them burn down until covered with a gray ash. Spread them out in a single layer. Sprinkle pork with salt and pepper, then place on the grill about 6 to 8 inches above the coals (there should not be any live flames). Cook slowly, allowing about 10 minutes on each side or until pork is well browned and meat is no longer pink when cut. Makes 4 to 6 servings.

Paprika Potatoes

In a wide frying pan, melt ⅓ cup butte or margarine over medium heat. Add 1 large onion, chopped, and 1 tablespoo paprika. Cook, stirring, until onion i limp. Add 1 bag (2 lbs.) frozen Southern style hash brown potatoes. Cover an cook, stirring often and breaking u large chunks of potatoes, for about 1 minutes. Uncover and add 2 or 3 table spoons butter or margarine if neede to prevent sticking, then cook potatoe stirring often, another 5 minutes o until tender.

Or, start the potatoes on your rang then place them on the grill about minutes before you put the pork on finish cooking along with pork. Seaso with salt and pepper. Serves 4 to 6.

Mustard Slaw

Shred about ½ medium-sized head gree or red cabbage (or some of both); yo should have 6 cups. In a bowl, combin the cabbage with ⅓ cup chopped onio Stir together ½ cup mayonnaise, 2 tabl spoons prepared mustard, and 2 tabl spoons sweet pickle relish, drained. Mi into cabbage; season to taste with sa and pepper. Cover and chill up to hours ahead. Makes 4 to 6 servings.

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Tara Brooch (8th century, photo courtesy National Museum of Ireland)

Morning Jewel

The Newest Irish Tradition

Noritake Ireland

Readers share sourdough discovery ... breads, rolls, crêpes, cake

A pot of starter encourages many sourdough enthusiasts to experiment, and over the years we've received a number of letters from readers wanting to share their discoveries (see page 130). Some have created new recipes or flavor variations, while others have successfully added sourdough to favorite *Sunset* bread recipes. Here are six of the best.

While there aren't any exact rules for adding sourdough to yeast doughs, there are a few guidelines to follow. At least for the first try or so, it's best to also add commercial yeast. You can add up to 1 cup starter to most yeast doughs if you first reduce the total amount of liquid by ¼ to ½ cup. And you'll probably need to use all the flour called for in the recipe or a little more.

DARROW M. WATT

Press deep creases *with handle of wooden spoon just before baking sour rye loaf. To serve, snap loaf apart at creases and spread chewy pieces with butter*

Finnish Farmer Sourdough Rye Bread

- 1 package active dry yeast
- 1½ teaspoons sugar
- 1 cup warm water (about 110°)
- 1½ teaspoons salt
- 2 teaspoons salad oil
- 2 tablespoons caraway seed
- ¾ cup sourdough starter, at room temperature
- 1½ cups rye flour
- 2 to 2¼ cups all-purpose flour, unsifted
- Melted butter or margarine

Combine yeast, sugar, and water; let stand until bubbly, about 15 minutes. Stir in salt, oil, caraway, and starter. With a heavy-duty mixer or spoon, beat in ½ cup *each* of the rye and all-purpose flour. Add remaining 1 cup rye flour and beat well. Gradually beat in about 1 cup of remaining all-purpose flour.

When dough becomes too stiff to mix, turn out on a floured board and knead until smooth and elastic, about 10 minutes; add flour as needed. Turn over in a greased bowl, cover, and let rise in a warm place until doubled, about 1 hour.

Punch down dough and divide in half. Knead each portion on a lightly floured board and shape into a smooth ball. Place each ball on a greased baking sheet and pat into 8 or 9-inch rounds. Cover loosely with plastic wrap and let rise in a warm place until almost doubled, about 45 minutes. Using the handle of a long wooden spoon (see photograph at left), press straight down through dough to pan in rows about 1 inch apart. Brush tops lightly with melted butter.

Bake in a 375° oven for about 35 minutes or until well browned. Brush lightly with more melted butter and cool slightly on wire racks. Serve warm, or reheat, loosely wrapped in foil, in a 350° oven for 15 minutes. Makes 2 loaves.

Sourdough Crêpes

In a bowl, stir together ¾ cup sourdough starter (at room temperature), 1 cup warm water (about 110°), and 1¼ cups all-purpose flour (unsifted) until smooth. Cover and let stand in a warm place until very bubbly, about 8 hours.

Beat together 2 eggs and 3 tablespoons salad oil; stir into batter. Also combine ½ teaspoon *each* salt and soda and 1 tablespoon sugar. Sprinkle over batter and stir well to blend. Cover lightly and let stand at room temperature for about 15 minutes.

Place a 6 or 7-inch crêpe pan or other flat-bottomed frying pan on medium heat. When pan is hot, add ¼ teaspoon butter or margarine and swirl to coat surface. At once, pour in 1½ to 2 tablespoons batter, quickly tilting pan so batter flows over entire surface. Cook until surface appears dry and edge is lightly browned. With a spatula, turn and brown other side. Turn crêpe out of pan onto a plate. Repeat, stacking crêpes as they are cooked.

Cool, package airtight, and refrigerate up to a week. Let crêpes warm to room temperature before separating them; they tear if cold. Makes 12 to 16 crêpes.

Super Sourdough Refrigerator Bread

- 1 package active dry yeast
- 1¾ cups warm water (about 110°)
- 1 teaspoon sugar
- 1 cup sourdough starter, at room temperature
- ⅓ cup *each* sugar and salad oil
- 1 tablespoon salt
- 2 eggs, well beaten
- About 8 cups all-purpose flour, unsifted

In a large mixer bowl, combine yeast, ¼ cup of the water, and the 1 teaspoon sugar. Let stand in a warm place until bubbly, about 15 minutes. Stir in remaining 1½ cups water, the starter, sugar, oil, salt, and eggs. Beat in 4 cups of the flour, 1 cup at a time, beating well after each. With a heavy-duty mixer or spoon, gradually mix in as much of the remaining flour as dough will absorb. Place in a greased bowl; cover and chill 4 to 24 hours.

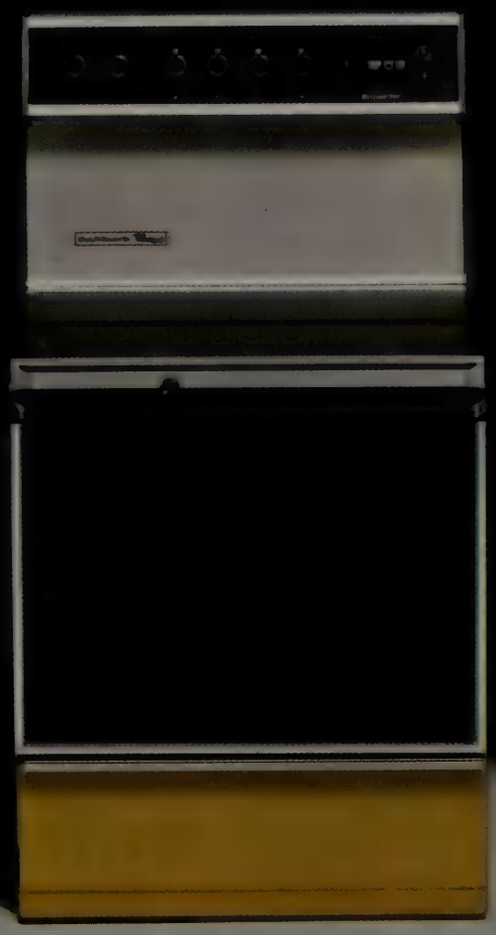
To bake, divide dough in half. With greased hands, shape each half into a smooth loaf. Place in greased 5 by 9 inch loaf pans; cover and let rise in a warm place until loaves rise 1 inch above pan sides, about 2 hours. Bake in a 350° oven for 30 to 35 minutes or until well browned. Turn out onto rack to cool. Makes 2 loaves.

Sourdough 3-Wheat Batter Bread

- 1 package active dry yeast
- ¼ cup warm water (about 110°)
- ⅛ teaspoon ground ginger
- 3 tablespoons honey
- 1 can (13 oz.) evaporated milk
- 1 cup sourdough starter, at room temperature
- 1 teaspoon salt
- 2 tablespoons salad oil
- 2½ cups all-purpose flour, unsifted
- 1½ cups whole wheat flour, unsifted
- ½ cup wheat germ
- ½ cup cracked wheat

In a large bowl, combine yeast, water, ginger, and 1 tablespoon of the honey

How we topped a great range.



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let stand in a warm place until bubbly, about 20 minutes. Stir in remaining honey, the milk, starter, salt, and oil. Stir together all-purpose flour, whole wheat flour, wheat germ, and cracked wheat; add to liquid ingredients, 1 cup at a time, beating well after each addition.

Spoon batter into a well-greased 2-pound coffee can or into 2 well-greased 1-pound coffee cans; cover with greased plastic lids. Let rise in a warm place *just* until lids pop off (watch carefully), 1 hour to 1 hour and 15 minutes. Remove plastic lids.

Immediately bake on lowest rack of a 350° oven, uncovered, for 45 minutes for 1-pound cans or about 60 minutes for a 2-pound can or until well browned. Let cool in cans 10 minutes; then loosen crust around edge of can with a thin knife, slide bread from can, and let cool in an upright position on a rack. Makes 1 large or 2 small loaves.

Cottage Cheese Sourdough Pan Rolls

In a small bowl, dissolve 1 package active dry yeast in ¼ cup warm water (about 110°). In a blender, whirl 1 cup cottage cheese, 1 cup sourdough starter (at room temperature), and 1 egg until smooth.

In a large bowl, combine 2 teaspoons baking powder, ¼ teaspoon soda, 1 teaspoon salt, 1 tablespoon sugar, and 4 cups all-purpose flour (unsifted). With your fingers, work in 2 tablespoons firm butter or margarine until no large particles remain. Stir in the cheese mixture and dissolved yeast.

DARROW M. WATT

Let dough rise *just until it pops plastic lid off coffee can*

Turn dough out onto a floured board and knead until smooth, about 10 minutes; add flour as needed. Turn dough over in a greased bowl, cover, and let rise in a warm place until doubled, about 45 minutes. Punch down dough. Divide into 18 pieces and shape each into a ball. Arrange balls in two greased 8-inch round baking pans. Cover and let rise until puffy, about 25 to 30 minutes.

Bake in a 350° oven for 30 to 35 minutes or until golden. Turn out onto racks to cool. Makes 1½ dozen.

Sourdough Streusel Coffeecake

In an electric mixer, combine ½ cup butter or margarine and ½ cup *each* granulated sugar and packed brown sugar; beat until fluffy. Beat in 1 tablespoon grated orange peel, 3 eggs, and ½ cup sourdough starter (at room temperature). In another bowl, combine 2 cups all-purpose flour (unsifted), 1½ teaspoons *each* baking powder and soda, and ½ teaspoon salt.

With mixer on low speed, add flour mixture to creamed mixture alternately with 1 cup sour cream, mixing well. Add ¾ cup raisins with last addition of flour. Spoon ⅓ of the batter into a well-greased and flour-dusted 9-inch plain or fluted tube cake pan. Sprinkle with ⅓ of the streusel mixture (recipe follows); repeat layers two more times.

Bake in a 350° oven for 60 to 65 minutes or until a pick inserted comes out clean. Cool in pan on a rack for 10 minutes, then turn out to cool completely. Makes 8 to 10 servings.

Nut streusel. Mix ½ cup packed brown sugar, 1½ teaspoons ground cinnamon, and ½ cup finely chopped almonds.

A button-by-button Norelco guide to buying the microwave oven that's right on the button.

PROBE

Probe. Using this button, you can cook by temperature. Simply insert the Temperature Probe into the food, tell the computer what temperature you want, and the oven will shut off automatically when it reaches that temperature.

DEFROST

Defrost. Tell the oven to automatically defrost before cooking and it will. This button will let you relax when unexpected guests arrive for dinner, and it can also be used as one of our four cooking cycles.

REHEAT

Reheat. A great idea! A cycle for those quick, everyday reheat jobs and a button that can also add up to 30 minutes of additional cooking time as one of our four cooking cycles.

COOK 1

Cook 1. The basic cooking cycle. Press it and you can cook food at whatever microwave power level you want, from 10% to 100%.

COOK 2

Cook 2. This is a second cooking cycle for use when food requires one level of microwave power to start with, and a second level of power the rest of the time. The 7500 automatically switches from Cook 1 to Cook 2.

DONE TIME

Done Time. Just tell the computer what time you want your food ready, before you leave home in the morning. The oven will then defrost, cook and stop automatically.

1–9

Selector. Here are the buttons you use to select whichever one of the ten variable power levels is required for your different cooking needs.

TIMER

Timer. This button controls an independent 30-minute kitchen timer which may be used anytime, even during the microwave cooking cycle.

CLOCK

Clock. This button sets the LED digital clock which also shows you the time of day, the cooking time or the temperature your meal is programmed for.

Plus an optional Cook Shelf that lets you cook different courses of a meal at the same time.

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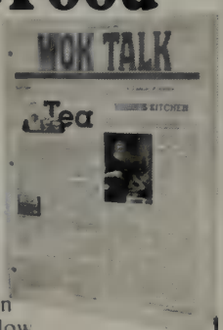

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LOADED CUPCAKES

Honey-applesauce, carrot-prune

Packing cupcakes with good things lik fruits, nuts, whole wheat flour—ever carrots—makes them quietly nourish ing. Serve them warm for breakfast tuck them into lunch boxes, or hav some on hand for picnics and snacks.

Honey Applesauce Cupcakes

With an electric mixer, beat ½ cup but ter or margarine until blended; grad ually mix in 1 cup honey. Beat in 1 eg and 1 teaspoon vanilla. In a small bow stir together 1 cup unsifted whol wheat flour; 1¼ cups unsifted al purpose flour; 1 teaspoon *each* soda an ground cinnamon; ½ teaspoon *eac* salt, ground cloves, and nutmeg; and ½ teaspoon ground ginger. Add to batt alternately with 1 cup applesauce, star ing and ending with flour.

Stir in ½ cup *each* raisins and choppe dried apricots, 1 cup chopped pitt dates, and ⅔ cup chopped walnuts pecans (you'll need 1 cup in all) ju until blended. Spoon batter into we greased or paper-lined 2½-inch mufl pans, filling each ¾ full. Sprinkle to with remaining ⅓ cup nuts.

Bake in a 350° oven until tops spri back when lightly touched, about minutes. Remove from pans and let co on wire racks. Makes 2 dozen.

Carrot Prune Cupcakes

With an electric mixer, beat 1 cup bu ter or margarine until blended, th beat in ¾ cup *each* granulated a packed brown sugar until smooth. A 4 eggs, one at a time, beating well aft each addition. Blend in 1 teaspo vanilla and 1½ cups coarsely shredd carrots (about 2 large).

In a small bowl, stir together 1 cup sifted whole wheat flour, 1½ c unsifted all-purpose flour, 1½ teaspoo soda, 2 teaspoons ground cinnamon teaspoon *each* salt and ground nutm and ¼ teaspoon ground cloves. Add batter alternately with ¼ cup butt milk. Stir in 1 cup *each* chopped w nuts or pecans and chopped pit prunes and dates.

Spoon batter into well-greased or pap lined 2½-inch muffin pans, filling e about ¾ full. Sprinkle tops w granola-type cereal (about ½ cup all). Bake in a 350° oven until t spring back when lightly touched, ab 30 minutes. Remove from pans; cool wire racks. Makes 3 dozen.

B little-known things you can do with your microwave. nd one well-known friend to help you.

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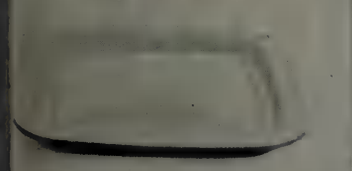


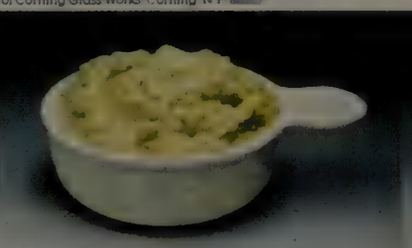
g Ware Microwave Browning Grill

Pyrex ware Ring Mold

rning Ware 10" Covered Cooker with Built-in Rack

CORNING

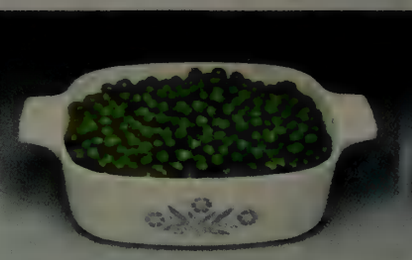
Freeze chili in Corning Ware casserole, then pop in microwave to defrost and cook. 15 mins.



Hot oatmeal for one takes 1 minute in a Corning Ware Grab-It.™

Grilled cheese looks grilled when you use the Corning Ware Microwave Browning Skillet.

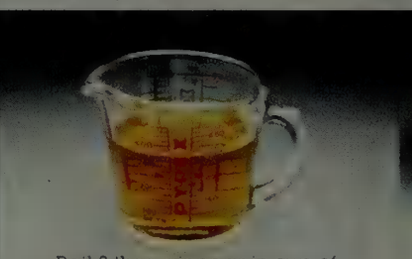
Nuts are easier to shell after a 4-minute hot bath in a Pyrex ware pie plate.



Cook frozen vegetables without water in a 1 qt. Corning Ware casserole. 5 minutes.

Meat-loaf in Pyrex Microwave Ring Mold takes only 11 minutes. Looks great.

For juicier barbequed chicken, pre-cook in microwave for 12 minutes. Use a Corning Ware roaster.



Boil 3 tbsp. vinegar in cup of water for odor-free microwave oven. Takes 1 minute.

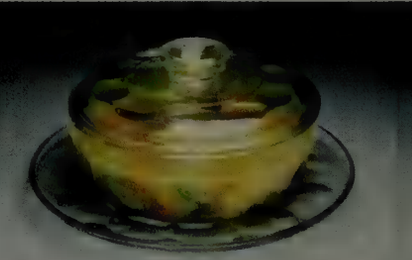
Hot, buttered corn with no mess in a Corning Ware skillet. 7 minutes.

Shrimp come out crisp, tender and beautiful in Pyrex ware Fireside bowl.

Reheat a latecomer's dinner right on a Corelle livingware dinner plate.

Cook an egg in 30 seconds in a Pyrex ware custard cup.

Artichokes from raw to cooked in 14 minutes in a Corning Ware casserole.



Heat and serve soup in Pyrex ware Sculptured Ovenware.

Yours. Send 25¢ postage/handling to Microwave Cookware Guide, Box 1212, Corning, N.Y. 14830.*

Crisp up limp potato chips in a Pyrex ware bowl. 1 minute.

Melt cheese on taco chips for quick, hot hors d'oeuvres. Use Corelle livingware platter.

This symbol on a Corning package means ideal for microwave.

Crumb-coated *croquettes are fried in hot oil until crisp and golden. Inside their crisp crust are shredded carrots in a creamy curry sauce; they make a delicious accompaniment to pork chops*

DARROW M. WATT

Carrot or spinach croquettes ... you bind, chill, coat, and fry

Crispy crusts and hot creamy fillings: the contrasting textures of vegetable croquettes lend elegance to a plain meal. Choose from spinach and mushroom, or curried carrot.

To make the croquettes, you bind the vegetables with a thick cream sauce, chill and coat them with bread crumbs, then fry them. You'll need to shape them into balls for frying in advance of your meal. Or for convenience, you can shape and fry them up to two days ahead, then reheat them in the oven before serving.

Spinach and Mushroom Croquettes

In a wide frying pan, melt 4 tablespoons butter or margarine over medium heat. Add 1 small onion, chopped; 1 clove garlic, minced or pressed; and ¼ pound mushrooms, chopped. Cook, stirring

til vegetables are limp and all liquid s evaporated. Add another 2 table- ons butter or margarine and melt. r in 4½ tablespoons all-purpose flour, teaspoon salt, and ⅛ teaspoon ound nutmeg.

move mixture from heat and gradu- y stir in 1 cup milk. Return to range d cook over medium-low heat, stir- g, until thickened. Add 1 package (10) thawed frozen chopped spinach ueeze out all excess liquid), ¼ cup ted Parmesan cheese, and 2 egg ks; cook, stirring, just until mixture bbles. Spread the vegetable mixture enly into an ungreased 8 or 9-inch are baking pan. Cool, cover, and chill roughly, at least 3 hours or as long overnight.

shape croquettes. In a bowl, beat 2 whites with 2 tablespoons water. en place about 1½ cups fine dry ad crumbs on a piece of waxed paper. vide cold vegetable mixture into 9 ual-sized parts, and with floured nds, shape each portion into a ball. p each ball into the egg white mix- e, then roll in crumbs to coat com- tely. Cover and chill until firm, at st 2 hours or as long as overnight.

cook, heat about 1½ to 2 inches ad oil to 375°. Fry 2 or 3 croquettes a time until browned, about 3 min- s, turning them occasionally. Lift out d drain. Serve immediately, or place a 350° oven to keep warm.

croquettes are made ahead, cool thor- ghly, then cover and chill up to 2 s. To reheat, bake uncovered in a 5° oven until hot and crisp, 20 to 25 utes. Makes 9 croquettes.—*K. N., ta Cruz, Calif.*

rried Carrot Croquettes

a wide frying pan, melt 4 tablespoons ter or margarine over medium heat. d 1 small onion, chopped; 1 clove lic, minced or pressed; 2 cups edded carrot, ½ teaspoon *each* curry wder and salt, ¼ teaspoon ground iander, and a dash of cayenne. Cook, ring, over medium heat, until vege- les are limp. Add 2 more tablespoons ter or margarine to pan and melt. en blend in 4½ tablespoons all- pose flour.

move mixture from heat and gradu- stir in 1 cup milk and 2 tablespoons pped parsley. Return pan to range d cook over medium-low heat, stirring il thickened. Add 2 egg yolks and k, stirring, just until mixture bubbles. ead evenly into an ungreased 8 or 9- h square baking pan, then cool, er, and chill thoroughly, at least 3 rs or overnight.

pe and cook as directed for spinach mushroom croquettes (see recipe ve). Serve immediately, or chill and eat until hot and crisp. Makes 9. □

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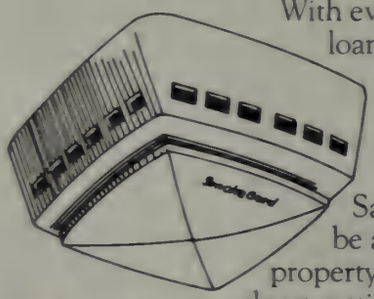

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GLENN CHRISTIANS

Each tart shell *gets its share of a custard filling that's rich in egg yolks*

Golden yellow custard tarts

Lavish use of egg yolks gives the custa filling in these tarts a tender texture a rich deep-golden color. You bake t individual desserts in muffin pans lin with a press-in pastry that uses some the egg whites.

Any leftover egg whites can be refr erated for use within a couple of da or frozen for longer storage. One lar egg white equals about 2 tablespoons.

Custard Tarts

- 3 eggs
- 5 egg yolks
- 1⅓ cups milk
- ¾ cup sugar
- 2 teaspoons vanilla
- Press-in pastry (recipe follows)

Beat together the eggs and egg yo until blended. Stir in milk, sugar, a vanilla. Let stand while preparing pastr

Place 1 rounded tablespoon of the pas mixture into each medium-sized mu cup (about 2½ inches across); pr firmly to form an even layer along b tom and sides. Pour egg mixture i pastry-lined cups. Bake in a 300° o until custard is set when pan is gen shaken and a wooden pick inserted the center comes out clean, about minutes. Let cool in pans about 20 m utes. Serve warm or at room tempe ture. Makes 18.

Press-in pastry. Cream together ¼ *each* butter or margarine (at room t perature) and lard or shortening. 1¾ cups all-purpose flour (unsifted) ⅓ cup sugar; mix and crumble your hands until mixture is mealy there are no large particles. Stir in 1 or 3 tablespoons egg white until mixt is evenly moistened.

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STORE COUPON

[AY IN YOUR GARDEN:

Summer is around the corner. Pace yourself. Watering. Feeding. Mowing. Grooming. Late planting

ıy stumbles on itself in anticipation—ing is still going full tilt, but you can l summer around the next corner. ıny gardeners feel inclined to spend ry weekend outdoors, and fortu-ely the color, fragrance, and warmth the air seem to urge them on.

e the month's many lovely days to e yourself. From May Day to Moth-s Day, finish setting out the warm-son vegetables—eggplants, peppers, ıatoes, squash—that take off and w now. Begin regular watering, feed-, mowing, and grooming. Then by morial Day weekend, try to get all ır midsummer flowers planted in the ces left by fading spring bloomers.

y window shopping—our public rose garden

y is the month when northern Cali-ıia roses usually look their finest. w's the time for less-experienced ro-ans to see and appraise the different ieties of roses for themselves—when 're in full bloom.

e place to start is a public rose gar-. You can probably include a flower w or special pageant held by your l rose society—often around Moth- Day. See page 304 for listings of e special events.

ıew roses are of special interest to , visit one of the public rose gardens listed below. These are some of the state's oldest and largest rose gardens, where candidates for All-America selection are grown. You can preview the trial roses and judge them for yourself; you can also count on attractive displays and accurate labeling.

The ideal time to visit is during the week, when gardens tend to be uncrowded. Go early in the day—roses look and smell freshest then. Between 7 and 2:30 you're likely to find gardeners at work, and they may answer questions about the culture and requirements of the roses you see.

Look at the different ways roses are used, besides conventional arrangements in rose beds. Notice that you can landscape with polyanthas in shrub borders and patio containers, and that floribundas cover walls and pergolas, and form big loose hedges.

Take a notebook with you to jot down ideas. If you'd like more assistance, contact the rose society in your area and ask if they have a consulting rosarian—an experienced member who may be able to answer your questions.

Berkeley Municipal Rose Garden
Euclid Avenue at Bayview Place, Berkeley

Roeding Park Municipal Rose Garden
890 W. Belmont Avenue, Fresno

Oakland Rose Garden
(Morcom Amphitheatre of Roses)
Jean and Olive streets in Lakeside Park, Oakland

Capitol Park Rose Garden
915 Capitol Mall, Sacramento

San Jose Municipal Rose Garden
Naglee and Dana avenues, San Jose

Golden Gate Park Rose Garden
John F. Kennedy Drive
Golden Gate Park, San Francisco

Visalia Garden Club Public Rose Garden
Tulare County Courthouse, Visalia

tiens-lobelia hang-up

ant color ball grew from a basket spring-planted impatiens and seedlings at the home of John rbara MacLean in Newport California. In that mild climate, ens blooms in spring and late r, and doesn't die back in winter.

of seedlings, you can also start ng basket like this from cuttings. e off all blossoms and buds, nt one cutting for each 2 square over the entire basket.

lining an 18-inch wire basket hagnum moss. Fill it with 5 parts soil to 1 part perlite and lite, mixed 50-50. Poke starter ith a pencil and plant through agnum from the outside of the Finally plant more seedlings in 3 to 6 inches apart.

Flowering tobacco shorties

Gardeners once grew flowering tobacco (*Nicotiana*) for its exquisite fragrance, ignoring drawbacks such as spindly flower spikes that bent from wind and rain, flowers that stayed closed during the day, and muddy flower colors.

But new dwarf nicotianas offer much more. They give you a stouter plant—only 15 to 18 inches high and self-branching. They produce day-blooming, delectably fragrant flowers. They come in bright new colors—rose pink, deep rose, white, crimson—with more to come from plant breeders. And their masses of blooms are self-cleaning: When the blossoms fade, the gentlest breeze knocks them off.

Newest of the dwarfs are the Nicki hybrids—'Nicki Pink,' 'Nicki Rose,' and 'Nicki White.' If you don't find young plants at your nursery, you can grow them from seed. Almost all seed catalogs offer them, or you may find them on seed racks.

Sunset's
GARDEN GUIDE

Vegetable soup for your garden

Not all gardeners have the space or inclination to keep a compost pile. But it's a shame to let carrot tops, potato peels,

DAVID STUBBS

Dwarf flowering tobacco—*garden cousin of commercial smoking tobacco—is sturdy, colorful, fragrant*

Sunset's GARDEN GUIDE

DON NORMARK

On the rocks. *Peruvian verbena spills onto the sidewalk in this corner planting. Neat foliage, abundant flowers make it a good ground cover*

and lettuce leaves go into the trash.

One alternative is to make a quick liquid compost like Hendy Cameron, of Portland, does. She puts here vegetable parings into the kitchen blender, runs it on "liquefy," then pours the mixture around the plants in her raised bed garden. You may need to add a small amount of water (or the liquid you pour off canned or cooked vegetables) to help the peels liquefy.

Out-of-the-ordinary squash

The seed catalog description leaves your mouth watering: "melon-squash grows like a squash, tastes like a melon." Last year, a gardener we know swallowed the hook and planted the seed. He shared his findings—and his squash—with us. Here's what we found:

Melon-squash is a *big* winter squash that's slow to mature, so it needs as much heat as possible for as long as possible. In short, warm-season climates, the squashes can be picked green and brought inside to ripen, but flavor develops best when fruits are left on the vine until fully matured, then stored for several months after that.

The squash shown below was harvested in late October, then stored a month or two until the skin was fully orange. When cut open and cooked, the fruit flavor was sweet and the texture crisper than most winter squash, but the overall taste was still strongly squash: more yamlike than melonlike.

Just the same, this winter squash grows to an impressive size, stores well, and yields a generous amount of meat per fruit; try it, especially if you live in hot, watermelon-growing country.

You'll find seeds in the catalog of Thompson and Morgan, Inc., Box 100, Farmingdale, New Jersey 07727. Or, send $2 to Exotica Seed Co., 820 S. Lorraine Blvd., Los Angeles 90005; ask for their "Tahitian" squash.

Peruvian verbena for close-to-the-ground color

If you're looking for an attractive, fast-growing ground cover that takes care of itself and provides spring-to-fall colo consider *Verbena peruviana.*

Several kinds of verbena are sold as bed ding plants for seasonal color; they're a tender perennials treated as annuals. Bu if you live where winter temperature stay above 15°, *Verbena peruviana* is likely choice for a permanent place i your garden.

Because it's not a demanding plant— mediocre soil and little water are accep able—verbena is particularly good fo dry banks, neglected parking strips, an rock walls. Use it for large expanses, fo pockets of ground color, or in hangin baskets and window boxes.

Peruvian verbena hybrids come in range of bright flower colors—crimso red, raspberry, rose, salmon, pure whit purple, and blue. Plant in a warm, sunn location, 12 to 24 inches apart, to mai a dense, solid cover in three to fo months. Shear plants once a year, in fa or early spring, and feed then with balanced fertilizer.

DAVID STUBBS

Huge melon squash *dwarfs the mixing bowl next to it. Scrape out seeds and bake or steam like other winter squashes*

Vegetable gardening short courses

East Bay vegetable gardeners—esp cially new ones—may be interested in basic course offered each month at t Farallones Institute Integral Urb House in Berkeley.

The class meets on two Saturday mo ings from 9 to 12:30. In that short tin expect to cover a lot of ground quic —you'll learn about seed propagati garden layout, bed preparation, soil f tility, composting, pest manageme and growing fruit trees. You can a

xpect to leave the course with a plan f your own garden to work with.

uition for the two-day course is $15. all (415) 525-1150 for the class dates nd description, or write to Integral rban House, 1516 Fifth St., Berkeley 4710. They'll send information on their ther short courses—solar energy sysms design, beekeeping, and small stock ising—if you're interested.

f you planted rought-tolerant plants . . .

on't pamper them just because more ater is available this year—they genally don't need the extra water. In fact, you planted unthirsty natives like bacaris or ceanothus, or plants from simar dry-summer climates, remember ey need the low-water rest period; any will not take normal summer irriation.

you planted lawns of drought-tolerant rasses we recommended (page 258 of e October 1977 *Sunset* and page 244 the March 1978 issue), keep them on e watering schedules mentioned in ose articles.

New look-again loquat

A new kind of bronze loquat makes its debut this spring—*Eriobotrya deflexa* 'Coppertone.' But don't expect to recognize it as a loquat right away; it's an interesting hybrid that bears strong resemblance to two other related shrubs —photinia and raphiolepis.

The result is a large shrub with the relaxed limber branching of a loquat, glossy dark green leaves and long-lasting coppery red new growth typical of a photinia, and showy clusters of pink flowers like a raphiolepis.

'Coppertone' makes a handsome, coarse-textured ornamental shrub, about 8 feet tall and just as wide. Mature leaves are large, 8 to 10 inches long, and lightly serrated. It takes fairly low temperatures —in the range of 0° to 10°F—and doesn't get damaged by insects or mites.

Plant in full sun or light shade as a large screen or background planting. You can also use 'Coppertone' attractively as a large container or patio plant. It's easily trained to an espalier or small tree form. □

W. D. A. STEPHENS

Brand new loquat. *Eriobotrya deflexa 'Coppertone' looks like three shrubs in one: bronze loquat, raphiolepis, and shiny-leaved photinia. It's an ornamental, not a fruiting variety*

MAY CHECK LIST: *Here is what most needs doing*

☐ **Build up compost.** This month's wealth of grass clippings, weeds, and prunings can all go into a compost pile. As weather warms up, remember to turn compost and keep it moist.

☐ **Control aphids.** Young, tender new growth may harbor growing numbers of aphids. Blasting them off with a strong squirt of water can help keep populations under control. Treat severely affected plants with systemic insecticide if you want; it works specifically on sucking insects. Control ants that "herd" aphids if necessary.

☐ **Cut and feed roses.** May is a peak blooming month. Keep picking flowers—you'll get plenty of bouquets and plants will bloom longer and harder. Feed plants after they flower to encourage second bloom later in the summer.

☐ **Fertilize.** Many plants profit from feeding now, during their period of most active growth. If you haven't done it already, apply acid fertilizer to azaleas, camellias, and rhododendrons after they finish blooming. Feed young, fast-growing trees and ones that are bearing fruit. For top flower production, feed fuchsias and annuals every four to six weeks.

☐ **Groom and prune.** Prune, shape or thin hedges, evergreens, and spring-flowering vines and shrubs. (See page 290 for information on pruning citrus.) Stake delphiniums, gladiolus, hollyhocks, and lilies before tall stems bend or break. Remove faded iris flowers and stalks, but don't cut back healthy leaves.

☐ **Mow and water lawns.** Lawns grow rapidly now. Mow frequently—once a week at least—and keep mower sharp: dull blades cause ragged, brown leaf tips. Set your mower to cut cool-season grasses 1½ to 2 inches high, dichondra ¾ to 1 inch, and warm-season grasses as low as possible—about ½ inch.

☐ **Plant for summer color.** Easy-to-grow annuals include alyssum, aster, celosia, cornflower, cosmos, gaillardia, marigold, nasturtium, phlox, portulaca, strawflower, verbena, and zinnia. If you want a quick cover on fences and trellises, plant seeds of cup-and-saucer vine (*Cobaea scandens*), morning glory, gourds, and scarlet runner beans.

You can also plant perennials such as chrysanthemums, felicia, geraniums, Gloriosa daisies, marguerites, pelargoniums, and Shasta daisies. To induce full growth, tip-pinch most seedlings, both annual and perennial, when you plant them.

☐ **Plant vegetables.** Set out seedlings of the solanaceous vegetables—eggplant, pepper, tomato. Sow beans, corn, and the cucurbits —cucumbers, melons, pumpkins, squash, and watermelons. (Try some different ones, like the melon-squash mentioned on page 262 of this guide.) Make successive sowings of vegetables you may have begun planting earlier, including beets, carrots, chard, lettuce, and radishes.

☐ **Propagate plants.** This is a good month to start new plants from softwood cuttings. Some easy-to-propagate kinds are carnations, chrysanthemums, dianthus, fuchsias, geraniums, ivy, lavender, pelargoniums, marguerites, and roses. Take tip cuttings 2 to 6 inches long and root them in a damp, sterile medium such as sand, perlite, vermiculite, or a sand-peat mix. To speed rooting, dip cut ends in rooting hormone.

☐ **Thin fruit on trees.** Thin excess fruit on some fruit trees to improve this year's fruit size and quality. Thin when fruit is marble-size or smaller. Apples, peaches, and nectarines should be 6 to 8 inches apart; apricots and plums 3 to 6 inches apart.

Put your fingers in the soil. They will tell you when it's time to plant... seeds or seedlings

Sunset's MOUNTAIN GARDEN GUIDE

It's hard not to be poetic about spring in the mountains. Sometime between the last spring blizzard and the hot dry days of June, there comes a day when the sky is cobalt blue and the apple trees are humming with the machinery of bees. It's mid-May, that magic time the seed packets refer to as "when soil is warm and weather is settled."

You can sow most seeds outdoors this month. Plant seedlings, too, when frost is no longer a threat—between mid-May and the end of the month, depending on your altitude. There's plenty of other things to do too, as you'll read here.

Some fertilizer basics

Most mountain country soils need at least annual spring applications of fertilizer for good plant growth. That's because these soils are usually deficient in nitrogen and phosphorus, two of the three elements used in the greatest quantities by plants.

Study fertilizer labels for their NPK analysis (the three numbers on the package representing proportions of nitrogen, phosphorus, and potassium). Choose a 5-10-5 fertilizer for perennial flower beds and a 16-10-0 fertilizer for vegetable gardens. Note that both these plant foods are low in potassium—an element that is usually in sufficient quantities in mountain soils.

Plant foods that contain iron or sulfur—two other important elements—help counteract chlorosis (leaf yellowing) that appears on many plants, particularly those grown in our widespread alkaline soil. And because mountain soils are almost always alkaline, ignore the oft-repeated advice given in many garden books to "add lime" to the soil. This is a common practice back East where acid soils dictate the use of lime, a neutralizing agent. The addition of lime here only makes the soil more alkaline.

Don't confuse fertilizer with organic matter. They are not interchangeable, and mountain soils need both. Organic matter loosens up tight clay soils or adds body to light sandy or gravelly soils. It counteracts the ill effects of an alkaline soil. And it can add important trace elements and provide food for beneficial soil organisms.

Touching the earth

Many seeds won't germinate in soil that is too cold, no matter how pleasant the air temperature feels these days. Learn to gauge the soil temperature by the touch test.

Put your hand in the soil. If it feels cool (but not wet and clammy), its temperature is around 55 to 60°—warm enough for cool-season flower and vegetable seeds to germinate, but too cool still for the warmth-lovers. When the soil feels pleasantly warm to the touch about an hour after sundown, then you can plant warmth-lovers such as beans, corn, cucumbers, peppers, and squash, and sow seeds of flowers such as arctotis, cosmos, marigolds, morning glory, nasturtiums, portulaca, verbenas, and zinnias.

Since air temperatures are about 10° warmer than soil temperatures, a week or more of 75° days also indicates that the soil is probably warm enough (65°) for the warm-season seeds.

Yes, you can grow good tomatoes

Tomatoes are the great summer challenge for many a high-altitude gardener. The large-fruited late varieties such as 'Big Boy' and 'Better Boy' often fail to ripen in the cool short season.

To guarantee success with tomatoes, wait until the end of May, or about two weeks after the last frost, before setting out plants. Then choose early or mid-season varieties and plant them in the sunniest spot in your garden. Mix a high-phosphorus fertilizer into the planting hole to encourage earlier fruiting and ripening. Feed regularly with liquid fertilizer throughout the season as well. Early varieties are mostly cherry and pear types; the larger mid-season varieties will reach the size of a baseball about 65 days after you set out plants. Some good early kinds are: 'Tiny Tim,' 'Patio,' 'Yellow Plum,' 'Red Pear,' and 'Sweet 100.' Reliable mid-season kinds are 'Springset,' 'Burpee's Big Early,' 'Earliana,' and 'Park's Extra Early.'

Woodland bellflower

Campanulas form a vast and varied group of popular flowers. You can choose from trailers, tufted miniatures, and near-man-size erect kinds. There are annuals, biennials, and perennials, kinds for rock gardens, borders, niches in dry walls, containers, and woodland gardens.

One not-so-typical bellflower (as campanulas are sometimes called) is *Campanula glomerata* (shown below). This species performs well in shady corners of our mountain gardens. It's a tallish perennial, 1 to 2 feet in height, and spreading half as much.

C. glomerata produces its tightly clustered flowers in June and July. Although there's a lot more foliage than flowers, the foliage itself is handsome.

DON NORMAN

Flaring *blue-violet trumpets of Campanula glomerata open to 1½ inches across*

oad, wavy-edged, and velvety.

ive this campanula a quick-draining il, and at least light shade. If you'd :e to have many plants, grow it from ed. Sow seed in spring or early sum- er and transplant small plants to the rden in summer or fall for bloom the llowing year.

onnoisseurs may want to take the time search for white-flowered and dwarf 9 inches) forms of *C. glomerata,* ailable from some seed catalogs.

stant spring flowers

owering shrubs and trees are at their ak in late May and June. If your gar- n isn't colorful enough at this time, ek out blooming pot-grown, ready-to- ant shrubs and trees at local nurseries. eliable hardy shrubs for mountain gar- ns include flowering quince, forsythia, neysuckle, kerria, kolkwitzia, lilac, *unus,* shrub roses, *Spiraea vanhouttei,* d viburnums.

nong flowering trees, don't overlook abapple (*Malus* species), mountain n (*Sorbus*), purple-leaf plums, and the spectacular rosy-pink flowering peaches (*Prunus persica* varieties).

Soak newly planted shrubs and trees every 10 days during their first season in the ground when rains don't come. Once established, they can take less frequent watering.

Invest in a root feeder

Where water is rationed or expensive, a root-feeding device is a useful investment (about $10 to $15). You can use it to penetrate hard-packed soil, helping to aerate the soil and get water down to the roots (especially efficient on windy days). With fertilizer cartridges, it greatly simplifies the job of feeding trees and shrubs.

Simple seed protection against birds, insects

A quick, easy way to keep the birds (and other pesky critters) off your succulent young seedlings is by using a cap of screen such as the one shown at right.

The gardener here made these caps from 15-inch squares of insect screen (old window screening). Two adjoining sides of the square were brought together and connected by twisting the frayed wire ends into the other side. Excess on the bottom was folded up into the cap. □

Bird-proofing *radish seedlings (or other tender sprouts) is easy with screen cone*

MAY CHECK LIST: *It's time to plant, feed, and get ready for summer*

☐ **Fertilize fruit trees.** Feed fruit trees while they are in bloom or shortly thereafter. If you feed with a root-feeding device as mentioned above, you can use special high-phosphorus fertilizer cartridges to increase fruit yield. Buy the cartridges labeled for fruit and nut trees; they make tree feeding easy and efficient.

☐ **Fertilize and water lawns.** With the soil warming this month, you can begin to water the lawn. Water no more often than once a week and apply at least an inch of water each time. Use a slow-release lawn food for continuous action. Lawn fertilizers containing iron are desirable in some areas to help prevent chlorosis caused by regular irrigation and heavy summer rains that leach elements from the soil.

☐ **Fertilize and water vegetables.** Early-maturing vegetables such as chard, lettuce, and spinach need plenty of nitrogen (usually lacking in our soils). Sprinkle a few handfuls of blood meal alongside the row of plants for a nitrogen boost. The odor of the blood meal also may help repel garden-munching wildlife. Give vegetable beds an inch of water once a week through June.

☐ **Plant annuals.** They'll bloom a long time in mountain areas. Some good ones for cool-summer areas are: sweet alyssum, candytuft, Chinese forget-me-not, clarkia, linaria, lobelia, poppies, and violas. Before planting seedlings directly into the ground, place six-packs or pots of seedlings in a protected place outdoors or in a cold frame for a week to accustom them gradually to outside conditions.

☐ **Plant container-grown trees.** There is still time to purchase shade trees in containers at local nurseries. Attractive and durable kinds are birch (*Betula*), hawthorn (*Crataegus*), *Elaeagnus,* ash (*Fraxinus*), honey locust (*Gleditsia*), *Koelreuteria,* willow (*Salix*), and linden (*Tilia*). These trees provide a filtered shade and not the heavy shade that most people find unnecessary in our mountain gardens.

☐ **Put house plants outside.** Toward the end of the month, group most house plants under trees or at the edge of a roofed patio, where they'll get protection from bright sun and rough weather. Only cactus, succulents, and geraniums will endure high-altitude sunshine. Leave gesneriads, aloes, caladiums, and coleus indoors—they dislike our cool summer nights.

☐ **Renew mulches.** Mulches are almost a necessity in arid climates. Pine needles are good for flower and shrub beds. For vegetables, use straw, hay, grass clippings, or—for squash, corn, peppers, and tomatoes—black plastic. Wait until the soil has thoroughly warmed before you mulch the latter summer crops.

☐ **Tend spring bulbs.** No matter how scruffy it looks, leave foliage on spring bulbs until it withers naturally. You can flatten it to the ground where it will help mulch soil and still receive enough sunshine to ripen the bulbs for next year's bloom. Or you can bunch it and tie it to a stake or even fold it over and tie it with string.

Feed the maturing bulbs now with a liquid fertilizer high in phosphorus and potassium.

Favorite summer and fall-blooming annuals *pictured above are ready for transplanting. Photographs at right show how to do it. See the accompanying text for more planting tips and ways to use these annuals in the garden*

1 ▪ *Pinch soft tip of leggy plan (like this marigold) just ab a leaf joint to force side sh from buds at base of leave*

5 ▪ *Set plant in generous hol Firm in soil around root without squeezing; leave of ball slightly lower tha pack; form watering ba*

Bedding plants

If you pay special care at planting time, you will get better growth and better bloom

The planting directions illustrated abov may seem fussy to some, but experi enced gardeners know that special car at planting time pays off in better growt and more profuse bloom—and in satis faction that comes from a job well done

More and more nurseries now sell bed ding plants in the little plastic contain ers (often called six-packs) shown in th three-tiered gallery of annuals at le above. Bedding plants in packs are goo buys if you select young ones and pu them in the ground before their roo have outgrown the containers.

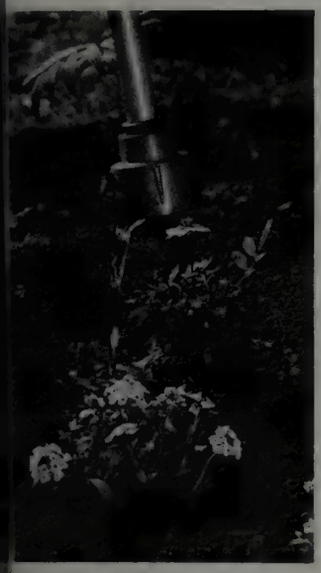
Keep plants moist and in filtered sha until you put them in the ground.

Prepare the soil thoroughly. After di ging or power-tilling the bed as deep as possible, rake it smooth, spread inches of nitrogen-fortified organic ma ter evenly over the surface, and work in 8 to 10 inches deep. Water the pr pared bed lightly a day or two befo putting out the plants.

Press finger against bottom of plastic cell to pop up root ball; then lift out plant. Photos at right show two ways to treat matted roots

3 • *Peel layer of tightly matted roots off bottom of soil ball. After planting, new growth will develop quickly from ends of severed roots*

4 • *Another method: hold soil ball between thumbs and forefingers; pull apart until ball is split an inch or so from the bottom*



Water each plant separately with a gentle flow that won't disturb soil or roots. Watering tube delivers water into basin.

7 • *ter watering, spread a 2-inch mulch of shredded bark, compost, or peat moss to reduce evaporation, insulate roots, inhibit weed growth*

DAVID STUBBS

8 • *Shade new plantings in hot weather. See details on lath rack (above) on page 123 of the April Sunset. Or use shingles, cardboard, shade cloth*

best time to plant—especially in hot ates—is in late afternoon or early ning, or on an overcast day when sture loss from both plants and soil inimal.

er watering in each plant and apply- a surface mulch, give the entire bed ntle, showerlike sprinkling to mois- the mulch and freshen the foliage.

p the newly planted bed moist (not y) until the plants' roots have taken —usually in 10 days to 2 weeks. Be ful not to overwater in warmer cli- s where diseases caused by water l fungus are a problem.

r the plants are well established, deep watering once a week or every two weeks should be sufficient.

For sunny places

Sweet alyssum. 'Carpet of Snow,' 2 to 4 inches tall. Ground cover, edging, in containers. Space 4 to 6 inches apart.

Dwarf dahlia. Grows 15 to 18 inches tall; mixed colors. Space 12 inches apart in borders. Good cut flower.

Marigold. Varieties from 4 inches to 4 feet tall; flowers in near-white, yellow, orange, maroon. Space dwarf kinds 6 inches apart; medium-tall 12 to 18 inches, tall ones 18 to 24 inches. Borders, edgings, containers, cut flowers.

Petunia. Top summer favorite; in mild desert areas plant in fall for spring bloom. Grows 12 to 24 inches tall; flowers in many colors. Set 10 to 12 inches apart. Borders, edgings, containers.

Best bets for shade

Bedding begonia. Can take sun along coast. Waxy-leafed, 4 to 18 inches tall; white, rose, red, pink shades. Space 6 to 12 inches apart according to plant size. Bedding, edging, containers.

Impatiens. Perennial usually treated as annual—lives over winter in mild areas. Varieties from 4 to 24 inches tall; flowers scarlet, pink, rose, orange, and white. Space smaller kinds 8 to 12 inches apart; larger ones 12 to 18 inches. Borders, raised beds, pots, hanging baskets.

Lobelia. Sun or light shade along coast. Compact kinds 4 to 8 inches tall; flowers in blue shades, pure white. Plant 6 to 8 inches apart in edgings, containers. Grow trailing 'Sapphire,' deep blue with white eye, in hanging baskets, pots, or in walls. □

Japanese beetles: wanted dead or alive

Here's how to recognize them and what to do about them

New to the West, *Japanese beetle has a bright metallic green head, midsection, and legs, and coppery brown wing covers. Distinct white side tufts are its trademark. Compare its ½-inch size with other beetles pictured below*

JAPANESE BEETLE RESEARCH LAB

So far, Westerners have not had to worry about a terrible plant damager that Easterners have dealt with for years —the Japanese beetle. But the future doesn't look so rosy.

By way of east-to-west airlines, the beetle has made some headway into our region over the past few years. The number of those found at major California airports has increased from 21 in 1973 to 72 in 1976 to 366 (including nearly 100 alive) in 1977. Experts expect even more this season.

The Japanese beetle is well-entrenched on the Atlantic seaboard from Maine to Georgia, throughout all or parts of 14 states and in local infestations in 7 others.

In the East, the beetles feed heavily on an extensive variety of plants. Their diet includes garden ornamentals (shade trees, vines, shrubs, perennials), lawns, small fruits, fruit trees, vegetables, and field crops. Altogether, over 300 kinds of plants fill out their menu. And that doesn't include any Western specialties that they may find to their liking.

Native American insects seldom become such a big problem because they get eaten or parasitized by other native organisms. But this creature, which came here from Asia by accident, has lived unchecked for many years. Researchers have introduced the beetle's natural enemies from Asia, but their success has been mixed.

What you can do

Keep an eye out for the Japanese beetle. State and county agricultural agents will ask your help in this year's stepped-up campaign.

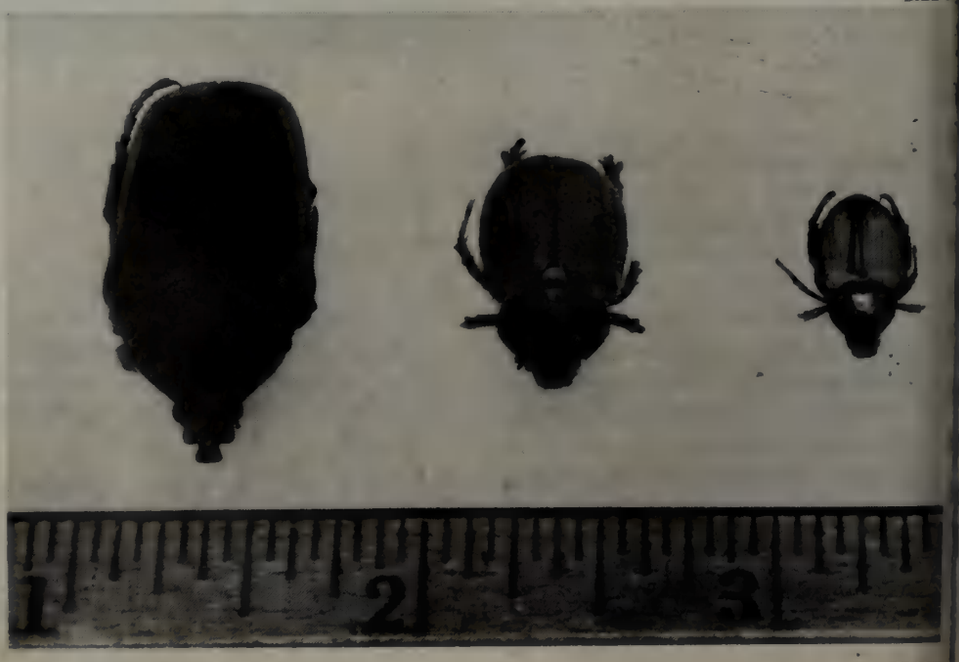
If you find what you think matches the beetle shown here, call your county agricultural agent or agricultural commissioner (either is listed under your county name in the phone book). The county official may ask to place a trap (below left) in your garden if you live within a potentially infested area (usually near an airport). □

Whitish grub *(here shown five times actual size) is the beetle's larval form. It attacks lawn roots*

BILL F

Space-capsule-shaped *bright green trap usually hangs from rod in open areas. It is for detection, not control*

Small size *is a giveaway. Japanese beetle (right) is barely half the size of similar beetles for which it's often mistaken*



SUN

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This year, make Mother's Day easy for everyone. Beautiful, too. Tell your family all you want is a gift certificate for a Callaway Area Rug. There's a Callaway for every area of your home. Reasonably priced, too. Your family can get yours for as little as $99.* So tell them your size and all about the Callaway Area Rug Gift Certificate and where to get it. Of course, if you really want to mother them, give them this ad. And have a marvelous Mother's Day.

Callaway Area Rugs
by MILLIKEN

*Slightly higher in the West.

STEVE W. MARLEY

Double-glazed *south windows are angled at 50° from horizontal to catch winter sun head on. Reflecting overhangs bounce in extra winter sun, help block high summer sun. Structure is set 4 feet into ground, bermed 3 feet in rear to help insulate. Door, vertical front windows, roof turbine set up convective current for summer cooling*

High-performance greenhouse in Colorado. It is solar

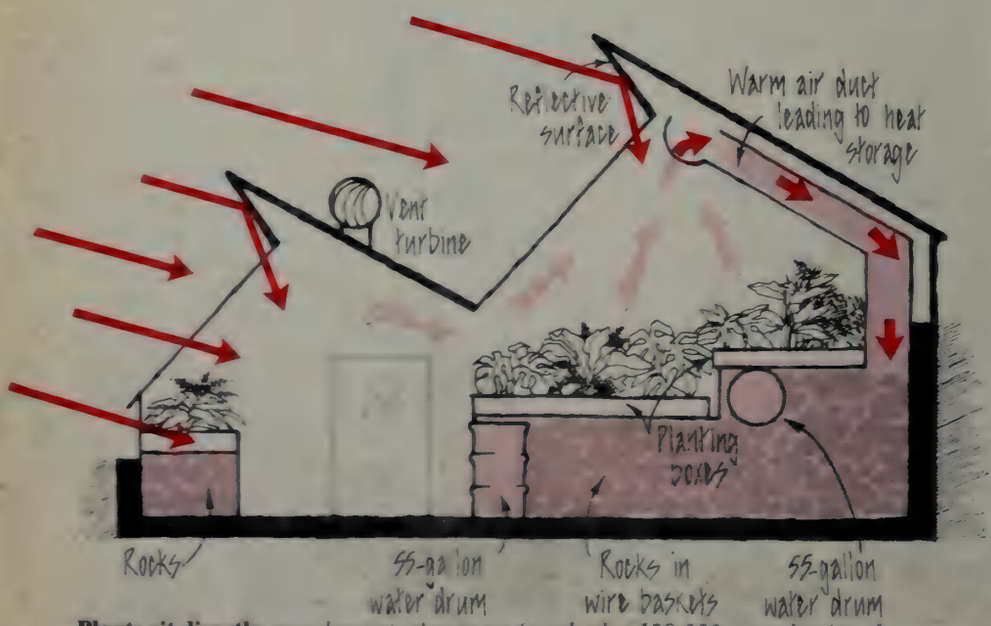
"It's unheard of—winter-grown tomatoes in Colorado." So one user sums up the performance of this high-mountain solar greenhouse: year-round vegetable production, without a heater, even when the outside temperature goes below zero.

The secret is enormous thermal mass—tons of rock and water—heated by the winter sun through 350 square feet of south-facing glass. Two levels of glass let the sun reach the rearmost corners of the 600-square-foot greenhouse. (The glass angle equals that of the local latitude of 40° plus 10°, a constant formula to meet the low winter sun at the best possible angle.)

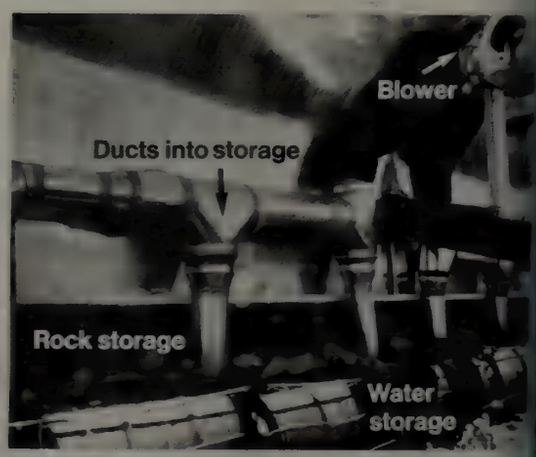
The double-fist-sized rocks are held in wire baskets, called gabions, that form the foundation. Thick rigid insulation is under the floor and outside the foundation; the upper walls are insulated with 6-inch fiberglass batts and the roof with 12-inch batts. A ½-horsepower blowe pulls excess heat down from the peak adding it to storage.

The lowest inside temperature recorde this winter was 42° after a −10° nigh outside; most important, plant roots re mained warmer.

The greenhouse was designed by studen of the Colorado Rocky Mountain Scho in Carbondale, directed by solar consul ant Ronald Shore. To arrange a studen led visit, call the school on weekdays a (303) 963-2562. Carbondale is on Stat Highway 133, 13 miles south of Glen wood Springs and about 30 miles north west of Aspen.



Plants sit directly *atop heat-storing mass (earth plus 129,000 pounds of rock and 13,072 pounds of water) to keep roots warm on freezing days*



Blower *pulls heat down into rock and water storage. Rear wall reflects light onto plants*

The house paint that weathers the changing weather.

If you think all these drastic and unexpected changes in the weather have been tough on you, think of the beating they've given your house.

So, when the time comes to repaint, don't go the "bargain" paint route and wind up paying more later.

See an expert. See your Pittsburgh Paints dealer about *Sun-Proof*® exterior house paint.

Fact is, *Sun-Proof* has been reformulated to stand up to the changing weather.

So, whether you go with latex or oil base, you get a quality finish that shrugs off the numbing cold that's hit the south and the roasting heat that's burned the north. And gives your house years of beautiful protection.

Which should make all this crazy weather a lot easier to take.

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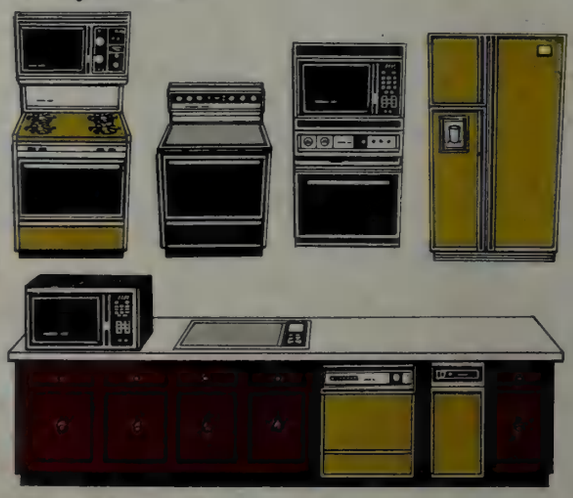
O'Keefe & Merritt gives you features you can live without, but shouldn't have to.



This is the most complete Microwave Oven you can buy. It has an automatic temperature probe, built-in browner, and solid-state control panel. Like all O'Keefe & Merritt appliances, it's built with the features you want and the reliability you need.

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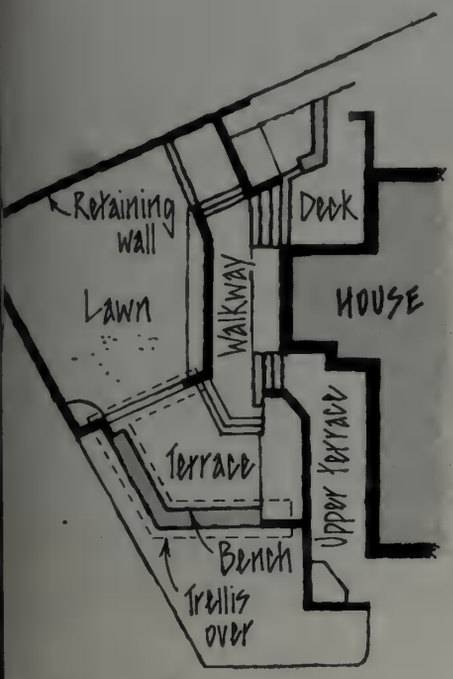
Part of American kitchens for 60 years.



ndscape *was designed as a series of rooms parated by fences, benches, trellises. ick-paved walks act as hallways*

DON NORMARK

Lawn *ends at the terrace, two steps higher and dominated by a native Oregon ash. More steps connect the terrace with a brick walkway and an upper terrace next to the house. Bold trellis will soon be covered in vines*

Neighbors as close as the law allows... but now who would guess

Plantings *and lattice around brick-paved terrace help screen out neighbors while admitting summer breezes*

re's one way to make the most of a all, sloping, wedge-shaped city lot: n the ground space with all the care d detail you would lavish on an in- ior floor plan.

er Henry and Helen Dean's new ttle house was finished, the space for ear garden seemed impossibly small, h neighbors as close as the law al- s and roofs very much in view. The ans had hoped there would be play ce for their two small children here, well as room for outdoor dining and ertaining and a place to grow flowers shrubs.

ndscape architects Thomas L. Berger Associates took on the challenge. st they had the sloping back yard eled and terraced to achieve usable ces. On the low west side, it took 8 of fill held in place by a concrete retaining wall to create a level place for a lawn. That done, they marked out the boundaries of the remaining terraces and steps.

East of the lawn, open to it, and two steps above it, is the brick-floored terrace you see above. Useful for family dining, it is also big enough for large-scale summer entertaining. Slatted benches provide nearly 50 feet of seating. In time, the trellis that frames it on three sides will support a tracery of vines; even without them, it offers light shade, some privacy, and sets this terrace apart as a special place. The bricks underfoot are repeated in walkways.

Fence design was critical. Lot-line fences needed to be tall enough for privacy and security, yet not so tall that they affronted the neighbors.

The answer was a 6-foot fence of cedar 1 by 10's capped by a 2 by 6 and then topped by a double-rail trellis. Evergreen vines of *Clematis armandii* will eventually display cascades of fragrant white flowers here in March and April. All fences are stained dark brown to match the house. □

From fernlets to fern giants ... it's a great game to play

W. D. A. STEPH

Giant specimen *like this can grow from gallon-can size in about two years*

Baby ferns *1 to 3 inches long sprout on mature fronds; they take about five years to become true adults*

NORMAN A. PLATE

To root, *anchor each fernlet with a wire hoop into a moist, fast-draining medium such as coarse sand*

RUSS A. WIDSTR

Clear dome *keeps humidity high, makes an attractive terrarium-like planter while ferns root and grow*

You get dozens—maybe even hundreds—of offspring when you nurture just one mother fern. This common house plant, *Asplenium bulbosum,* often sprouts half a dozen babies on its fronds even when it's small; on a mature 4-foot frond, we've counted over 70 fernlets.

More baby ferns sprout each year, until eventually the parent frond becomes so heavy and dense it droops to the ground, allowing the fernlets to root and form new plants. You can take advantage of this proliferation by rooting the fernlets in a moist rooting medium and giving them a warm, humid environment.

Choose a container with drainage holes and fill it with a moistened, sterile, fast-draining material such as coarse sand or commercial potting soil. Cut a sprout-bearing frond 6 inches long or more, then anchor each plantlet and cover the container as shown above. Water only as needed to keep them moist.

If you prefer, you can detach and root individual plantlets, but babies connected to the mother frond seem to grow more quickly and reliably.

Enjoy the little ferns en masse for a year, or push them to full size by moving them into individual 4-inch p after a few months. Move them to lar pots frequently, and fertilize regula with all-purpose fertilizer at half recommended strength.

Baby ferns may take two to three ye to reach gallon-can size, and seve years longer to become big mamas feet across.

Mother ferns grow best in filtered sha You can leave the mature plants c doors all year in mild-winter coa areas of Southern California and the Francisco Bay Area. Elsewhere br them indoors in winter.

Our Tampico group sports a breezy 'n bright look. The durable aluminum frames are lightweight and rust-proof to give years of care-free wear. The tempered glass top umbrella table is so constructed that the umbrella pole cannot hit or rub against the glass even in bad weather conditions. Chairs and chaise are hand-laced to insure the highest quality. Graceful tapered legs are stablized with a self-leveling glide. All pieces have a primer coating, then a corrosion preventative coating and finally a baked-on ultra-smooth enamel finish. Craftsmanship and beauty all wrapped up in sparkling lemon-on-lemon.

42" umbrella table, **$99**
Arm chair, **$45** each
High back glider, **64.95**
4-position adjustable chaise, **119.95**
7' pagoda style umbrella, **99.95**

Casual furniture...fresh as all outdoors.

Strike a sophisticated theme with our Empress group. The classic look of Spain is captured in scrolled solid wrought iron frames complemented by airy mesh chair backs and table top. The extra large umbrella table can easily accommodate six chairs for dining and games. The beautiful floral pattern pads reverse to grass-cloth textured solid color to match the boxing. Of durable vinyl, double sewn, welted and filled with polyester foam. All glides are insert type so as not to mar any surface. Striking black and honey tone.

54" umbrella table, **$119**
Arm chair, **$45** each
8' crank umbrella, **109.95**
4-position adjustable chaise, **119.95**

This is JCPenney

Available at most large JCPenney stores.
Prices slightly higher in Hawaii and Alaska.

Our fame has spread throughout the West!

After years of potting and puttering in a South San Francisco greenhouse, it was finally perfected in 1954. Since then, literally millions of trowels, rakes, hoes and hands have spread Supersoil across the west . . . and moved it to the very top. Today, in fact, it is the leading potting mix on this side of America! Why? There are many reasons:

Rich Canadian sphagnum peat. Sierra fir bark. Redwood. Granite-based river sand. A superbly balanced broad-spectrum nutrient package. And unique sterilization by pressurized steam. This is Supersoil, the finest all-around growing medium, indoors or out, for virtually any kind of greenery that ever grew beneath the western sky!

So share a little fame with your plants. Insist on the leading potting soil of the west—Supersoil! At leading nurseries, supermarkets and garden supply stores near you.

Supersoil®
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"Favorite potting mix of western gardeners . . . and their plants!"

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WILLIAM A

High, wide, and handsome. *They don't look alike, but the tall willowlike tree above and the wide 'Table Top Blue' below are both scop junipers*

Our useful wil "scop" juniper

From the Western United States c a very useful native—the Rocky M tain juniper. This rugged plant *niperus scopulorum*) provides gard with some of the hardiest and beautiful forms of juniper in the w "Scop" juniper grows wild in 10 c 11 Western states—from New M to Washington—usually on open, slopes exposed to strong winds, harsh winters, and hot dry summe Because it's so tolerant, you can Rocky Mountain junipers succes wherever you live in the West— Monica, Denver, Salt Lake Cit Seattle. They'll succeed even und most adverse conditions: poor soil, heat, wind, or drought.

But one of the greatest attractio

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ou can skip the watering, weeding and mowing with grasslike surfacing of Polyloom® II.

cture a grassy green lawn that looks sh all year without any care on your rt! That's the beauty of grasslike rfacing made of Chevron's Polyloom II. never needs water, never sprouts eds, never needs cutting. Prolonged posure to sun won't faze it. It even rries a 5 year warranty against sun ling.

st of all, grasslike surfacing of lyloom II looks great anywhere you t it. Outdoors, indoors...on the patio, race, sun deck, in the greenhouse, ound the pool, on your boat, around house, or in the house to brighten ur decor. And you can install it your-f easily. It's the new carefree way to dscape or decorate!

asslike surfacing of Polyloom II is ilable at leading department and niture stores, carpet, hardware and lding supply stores.

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to Exposure to Sunlight.

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The 'Majestic Beauty' Magnolia tree is truly a gorgeous sight. Huge cup-shaped, fragrant, white flowers in summer draw the attention of all who admire beauty in nature.

Enormous leaves crown this medium-size, pyramid shaped evergreen. For refreshing shade, plant one or more in your landscape. You'll enjoy life more when you do!

'Majestic Beauty' Magnolia is something special. That's why it wears our label saying . . . *Distinctively Better.*

The Distinctively Better

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WILLIAM AP

Exclamation point. *Narrow, columnar form of J.s. 'Cupressifolia Erecta'*

scop junipers is their range of siz shapes, and colors. Because this kind juniper develops natural variants rea ily, nurserymen have been able to sele and propagate many different varieti Some have typically upright shapes a distinctive silvery or blue-green foliag others range from spreading shrubs feet high to willowy 20-foot trees.

Listed here are most of the kinds Rocky Mountain juniper curren available in Western nurseries. Y won't find all the 40 or so varieties t have been grown (many have dropp from the trade), but you will have a go selection of the different forms, colo and sizes.

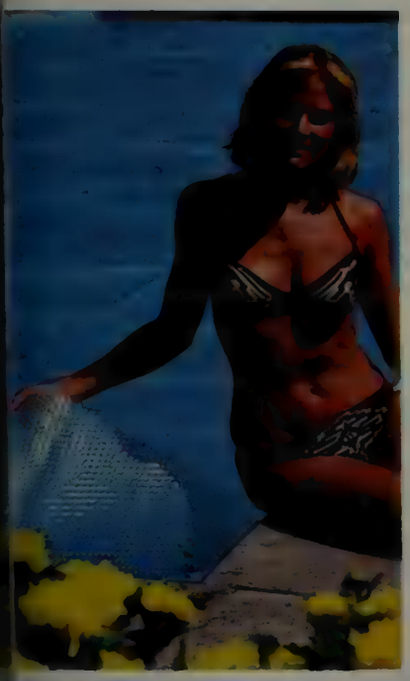
Eight of the thirteen plants describ are shown in the photographs on th pages. Except for the 'Blue Heav juniper pictured on page 282, all w photographed in the juniper garden the Los Angeles State and County boretum in Arcadia.

Use the arboretum photographs only to see what the plants look l but also to gauge their rate of grow This is easy to figure, since all of th junipers are 10 to 12 years old. A comparison with the people standing walking next to them shows, all of upright kinds shown are at least 12 f high—so even the slowest has grow foot a year. (Expect a little less vigor growth in less favorable climates.)

Shrub forms

Juniperus scopulorum 'Lakew Globe.' Compact shrub with blue-gr foliage. Grows 4 to 6 feet high wide in about 10 years (bigger in climates or with age). Naturally glo

With a Sealed Air® Solar Pool Blanket!



he Number One Solar Pool lanket in the United States nd Canada!

Raises pool water temperature 10-15 degrees in season!

The transparent Solar Blanket allows the sun's radiant heat to be absorbed by the pool at all depths—warming the water by as much as 10 to 15 degrees in season.

Cuts pool heating costs up to 75%!

By utilizing the sun's free heat, the Sealed Air Solar Pool Blanket *effectively conserves natural gas* and other forms of energy required by conventional pool heaters.

Reduces major water evaporation!

An 18′ x 36′ uncovered pool loses an average of 1,700 gallons of water per month by evaporation. Our Solar Blanket substantially reduces this costly and needless loss of water.

Extends your swimming season!

By raising pool water temperature, your Solar Pool Blanket allows you to swim earlier in the spring and later in the fall without the aid of a pool heater.

Easy to install! Fits all pools!

The lightweight but durable Blanket can be easily trimmed to fit snugly on any size or shape pool. It is easily removed and replaced—and it floats free, requiring no ugly tie-downs or weights.

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for more information and for the Sealed Air Solar Pool Blanket Dealer nearest you!
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Camping and RV show at Sunset May 7

Where in the West can you see inside dozens of recreation vehicles, learn ack a backpack, sample camp foods, watch a kayaking demonstration, get tips from champion fishermen, and watch mountain climbers at close range — all in a setting of green lawns, bright spring flowers, and shaded walkways?

The answer is the *Sunset* Camping and Outdoor Recreation Show, to be held Sunday, May 7, at the *Sunset* headquarters complex in Menlo Park, California.

As many as 23,000 visitors have come to the *Sunset* show—to enjoy the free food samples, talk with campground owners, try on different kinds of hiking boots, peek into the cabinets of sleek travel trailers, get help on fly tieing from an expert, and admire a garden displaying everything from a giant yucca to colorful rhododendron from the Pacific Northwest.

The show is free, and children are welcome. The whole family will like the how-to demonstration, the movies, boats, tents, vans, trucks, RVs, pop-ups, fold-outs, tuck-ins, and tie-downs... just about everything you need for a camping vacation.

Show time is 10 a.m. until 5 p.m. May 7.

This year, we'll have more free parking available than ever. Exit Bayshore Freeway at Marsh Road or Willow Road, or use Ravenswood Ave. from El Camino Real in downtown Menlo Park. Parking areas are on Middlefield between Willow and Ravenswood. Watch for the signs. Transportation will be provided between parking areas and the show.

Menlo Park is adjacent to Palo Alto and about 35 miles south of San Francisco. Southern Pacific commute trains service both towns weekends, or you can use SamTrans or Santa Clara County Transit buses to come to the show, which is a 15 or 20 minute walk from either station.

WILLIAM AP

Natural topiary. *Cone is J.s. 'Moffetii'; globe is 'Lakewood Globe'*

shaped growth needs very little prunir Pictured directly above.

J.s. 'Table Top Blue.' Semispreadir flat-topped shrub with bright blue-gr foliage. Reaches about 6 feet high a 8 feet wide. Many upright branch densely foliaged; if necessary, trim improve density. Good alternative tall forms of Pfitzer juniper. Pictured page 276.

Upright forms

J.s. 'Blue Heaven' (also listed as J 'Blue Haven'). Grows to 20 feet in abc 15 to 20 years. Forms a narrow, sy metrical cone. Neat tight growth hal foliage dense and unusually blue. Sho berrylike cones are a matching silve blue. Good accent and color-contr plant. See page 282.

J.s. 'Cologreen.' One of the few gre leafed varieties of scop juniper; has deep green color. Grows to a brc pyramid about 20 feet tall. Not smoothly tapered as most other forr shape is looser, fluffier (see below).

Old-time favorite. *Sturdy 'Cologreen' is big, bushy, and green*

Just about everything that grows in your yard is going to look better when it's fed. And you don't have to know much about your trees, shrubs and flowers to do it right. You don't have to know much about fertilizers, either.

We have a simple word for well-fed flowers, shrubs and trees. It's "Grow."

Take flowers like marigolds and geraniums. The right fertilizer will give them the nitrogen, potassium and phosphorus they need to get you more blooms and brighter color. Ordinary soil by itself just can't come up with the nutrition to do this. It needs some help.

Here is where some people make it complicated. They tell you you have to use one thing for annuals, another for perennials and something else for roses. But that just isn't so.

Here at Scotts in Marysville, Ohio, we make one fertilizer you can use on all your flowers. And that includes seeds, seedlings and full-grown perennials. We simply call it Grow Flowers.

You don't have to use this fertilizer as often as some other brands.

While most fertilizers are made to release their nitrogen right away, we make ours to release its nitrogen slowly. Your flowers get a good feeding to start off with, then a little more week after week. This longer feeding is what helps give you more blooms on your plants and brighter color too. (You look better when you eat regularly. And so do your flowers.)

As you can see from the boxes below, we also have some simple ways to take care of your shrubs and trees, acid-loving plants and transplants. The nutritional ingredients in each of these are in correct proportion to their use. (Flowers need more of one thing, trees more of another.)

They're all safe to use if you just do what it says on the package. Like every fertilizer we make, each one has our special slow-release formula for a balanced, prolonged feeding and slow even growth.

We tested all these fertilizers ourselves so we know just what they can do. They will give you healthy looking plants and better growth and that's a promise.

You'll find our guarantee right there on every box. It says, "If for any reason you are not satisfied with results after using this product, you are entitled to get your money back. Simply send us evidence of purchase and we will mail you a refund check promptly."

We made that simple too.

Now—TWO great traveling companions from Sunset

"Sunset's newest — the family guide to great weekend and vacation adventures. More than 200 pages packed with details on what, when, where, why, and how much

Special Services Dept., Lane Publishing Co., 80 Willow Rd., Menlo Park, Calif. 94025

Send the following Sunset outdoor specials:

☐ Western Campsite Directory—$4.95 plus $1 postage and handling (Add 30¢ tax in Calif.)

☐ Western Travel Adventures—$2.95 plus $1 postage and handling (Add 18¢ tax in Calif.)

Total enclosed $ .....

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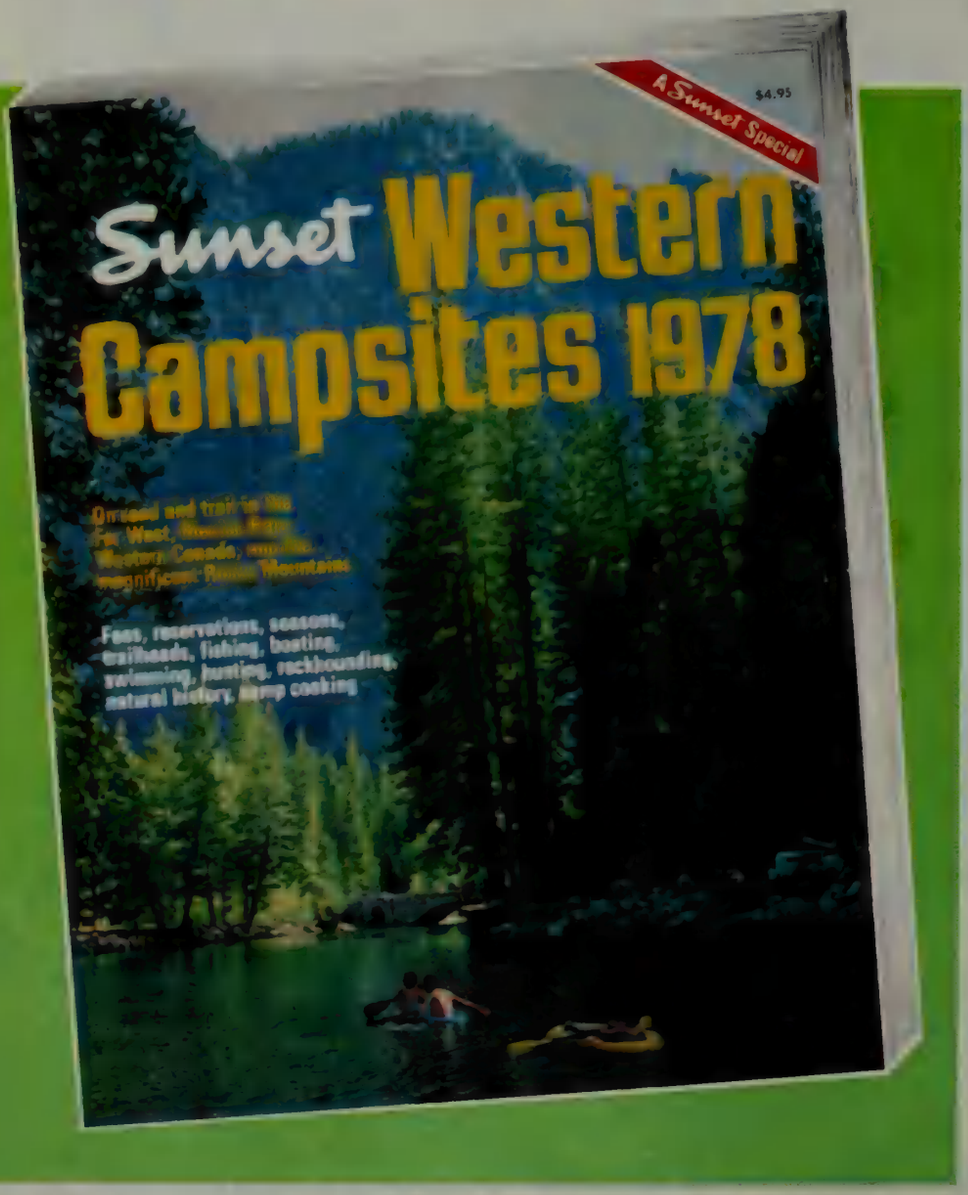
The West's most popular guide for RV and tent campers —over 400 pages, more than 9,000 campgrounds. It helps you find the right spot!



Helps you find the right spot

Finding the right spot means everything when you head outdoors. It can assure you a great experience instead of disappointment. *Sunset's 1978 Western Campsite Directory,* completely revised and updated, helps you plan the best possible trip. It pinpoints 9,000 campgrounds and RV parks on locator maps, tells all about facilities, fees, attractions, and surrounding country; gives phone numbers and mailing addresses where reservations may be made; and provides ideas and directions for dozens of great discovery trips you can take as you travel the West. The new edition covers campgrounds from the Rockies to the Pacific, from Alaska to Mexico, in over 400 pages. It's the most popular, most useful guide you can own!

At bookstores and newsstands: $4.95

DON NORMAN

Dense blue column *with silvery "berries," 'Blue Heaven' can be touchup pruned or lightly pinched in fall or winter*

requires pruning if you want a tig compact cone.

J.s. 'Cupressifolia Erecta' (also *J.* 'Greenspire'). Thin tapered column 20 feet. Dense upright branching; da green foliage with silvery blue tir Shown on page 278.

J.s. 'Erecta Glauca.' Soft, silvery blu upright pyramid. Feathery texture, ne dense growth. Very similar to 'Pat finder' listed below.

J.s. 'Gray Gleam.' Bright gray to gra blue color and a narrow, symmetric columnar shape make this variety u usual. A slow grower, naturally mo dwarf or compact than most othe Commonly 12 to 15 feet tall, eventua to 20 feet in 30 or 40 years. Silve color is accentuated by winter cold.

J.s. 'Moffetii.' Bold pyramidal for that's tall and broad-based. Grows to feet or more. Foliage slightly feather and loose; may need pruning. Go blue-green color, sometimes ligh frosted. Pictured on page 280.

J.s. 'Pathfinder.' Lively slate blue folia and a broad conical form. Gets about feet tall in 15 to 20 years. Similar 'Erecta Glauca' but finer and bluer.

J.s. 'Welchii.' Narrowly pyramidal columnar; a tight pointed spire w greenish silver leaves.

J.s. 'Wichita Blue.' Handsome coni shape. Branch tips may flop out, as y

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WILLIAM A

Sentry plant. *'Wichita Blue' looks good as a solitary planting*

can see in the plant pictured above shape in fall or winter. Consistent foliage color throughout the year. be compact form of 'Blue Heaven.'

Weeping forms

These differ dramatically from other scop junipers because they dr gracefully instead of standing at at tion. The varieties listed here are "r troductions"; others may still be av able under old names of *J.s.* 'Pend and *J.s.* 'Repandens.'

J.s. 'Tolleson's Weeping.' Silvery fol on long, pendulous, secondary branc Arching branches and nodding tip, loose conical shape. Grows to 20 fee more, may need staking when you Possible container plant. Pictured at of page 276.

J.s. 'Tolleson's Weeping Green.' Sam above, except the foliage is med green in color.

General care of scop junipers

One of the joys of growing any kin juniper is that these plants take of themselves. This is especially tru the Rocky Mountain junipers. N planted junipers require summer wa ing the first year (if yours is a summer climate); after that, you leave them alone.

Scops respond well to pruning or sh ing, although many kinds don't r need it. Prune upright kinds lightl shape, removing long irregular bran that interrupt the natural silhou Loose-growing columnar forms and mal hedges may be sheared lightly frequently to keep them dense. Ce varieties, as mentioned above, stay urally compact; light annual touc help them keep their even, well-n cured shape.

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She trained *pole beans on an attractive bamboo framework*

DARROW M. WATT

Top halves *are rose red flowers on Echium wildpretii, an 8-foot biennial*

We are looking for garden ideas as good and useful as these

The ideas shown here are the kind we like to find in *Sunset's* Annual Garden Contest. They are (1) original, (2) attractive, and (3) useful. That's all there is to it.

Contestants tell us about their landscaping or horticultural triumphs (by letter and snapshots) and we try to see them in person. We look for solutions to problems and skillful ways of making gardens look better or yield more. At the end of the year, the contest gardens are matched against each other and the best half dozen or so get cash prizes. All entrants who send us the information and photographs we need get a handsome certificate and a *Sunset Book*.

In last month's *Sunset* on pages 294 to 297, you saw photographs from three of the top 1977 winner gardens. Two of the photographs on this page come from other years.

Elevated lath box *acclimates greenhouse vegetable and flower seedlings to outdoor garden conditions*

To enter, send your name and address to 1978 Garden Contest, *Sunset Magazine,* Menlo Park, Calif. 94025. We will mail you an entry form and ask you to return it with five or more snapshots of your garden. The entry form will explain how to submit them.

The bamboo framework for beans is by Diane Lewiston, Palo Alto, California. The lath box was built by J. Wright Whitney, San Jose. □

Where to call.

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DON NORMARK

ll brackets *hold hose coils, zzles sit on nails, elbow hooks hor watering cans against wind*

se drapes *around two 1-foot lengths -inch dowel glued into drilled es. Dowels may need sanding to fit*

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PETER O. WHITELEY

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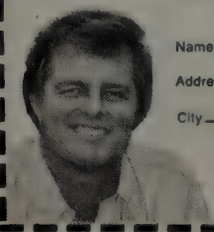

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Citrus surprises . . . summer tangerine, later navel, new blood orange

There's considerably more to citrus than the oranges, lemons, and grapefruits you buy at the grocery store. Hundreds of quite different kinds of fruits come from tropical and subtropical Asia. And from these, growers have made scores of hybrids and selections.

The following new varieties give home gardeners a large choice of vitamin-C fruits. You can plant any of them this month. Ripening dates are approximate —fruits mature earlier in warm areas, later in cooler areas. In the Northwest, consider any of these as greenhouse or indoor-outdoor plants.

Most of these new varieties are still very difficult to find. But you can ask your local retailer to order from a wholesale source—even if the wholesaler doesn't have what you want, the demand may encourage the grower to produce the newer variety.

'Skaggs' Bonanza.' For those who prefer navel oranges, 'Skaggs' Bonanzá' lengthens the season. This colors and ripens earlier than the December to February dates of its parent 'Washington' navel. The tree also bears younger and more heavily. Not recommended for our desert areas.

Two other 'Washington' navel variants are 'Fisher' and 'Tule Gold'. Both are patented (meaning they usually cost more) and ripen earlier than the typical 'Washington' navel.

'Fairchild' mandarin orange (tangerine). It bears deep orange, medium-sized, easy-peeling fruit. The flesh is firm but tender and juicy, with a rich, sweet flavor and lots of small seeds. Fruit ripens from November through December. Tree tends to produce a small crop one year, a big one the next; thin fruit when set is very heavy. Needs a pollenizer.

'Fremont' mandarin orange (tangerine). This one has bright red-orange medium sized fruit that is easily peeled. The flesh is firm and tender, with some seeds and a rich, sprightly taste. Picking time is December and January, but the fruit will retain its quality long past maturity if you must leave it on the tree.

'Summertime' mandarin orange (tangerine). A selected variant of 'Kara' mandarin, 'Summertime' is just as large, juicy, and tart-sweet. The difference is the ripening date: 'Summertime' ripens later, often not until July or August (September along the coast), getting sweeter all the while. Available in California only.

'Sanguinelli' ('Spanish Sanguinelli') blood orange. This orange carries medium-sized, oval, often asymmetrical fruit. Intense burgundy coloring permeates both the flesh and the rind. Ripening period is from February through April. The fruit maintains good quality on the tree, and stores unusually well.

'Moro' blood orange. A medium to medium-large fruit, 'Moro' orange is fairly easy to peel. When ripe, the fruit is orange in color, developing a light pink blush or red streaks later. The flesh is deeply colored (almost purple-red), juicy, and pleasant tasting; seeds are few

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or nonexistent. Fruit ripens January through March. A distinctive aroma develops with advanced maturity but flavor deteriorates if the oranges are stored too long.

The notable difference between blood oranges and common sweet oranges is the pink or red coloration in the flesh and juice and on the rind. Blood oranges also have a somewhat distinctive (raspberryish?) flavor (some connoisseurs say better than common oranges, others say ho-hum).

The unique red-orange color of blood oranges does not develop well in mild areas, such as along the coast and in mild-winter desert areas; they need some winter cold. You can intensify the flesh color by putting the fruit into cold storage for a few days.

Not in citrus country?

If you garden where the climate does not favor growing citrus outdoors all year—check for trees in your neighborhood if you're unsure—you can plant citrus in containers and treat them as indoor-outdoor subjects. Bring them into a protected spot when winter cold threatens. Most of these new varieties are available as dwarf trees, making them good container plants.

Planting new citrus in the garden

Although citrus will bear fruit reasonably well without the aid of another tree nearby for pollination, trees will do significantly better if you plant two or more of them close together. Planting different varieties together should not affect the quality of their fruits.

Check soil drainage first. Dig a hole at least twice the depth of the root ball and at least as wide as the crown. Fill the hole with water and allow it to drain. If it takes more than 12 hours to empty, forget planting there. Try another garden spot or plant above soil level in a raised bed.

Where soil is average (not extremely fast draining), improve drainage by adding peat moss, composted sawdust, or shredded bark to the soil. These organic elements will also improve the water retention of very light soil.

If you build a watering basin, make it wider than the spread of the tree branches. Keep the tree's trunk dry by starting a depressed basin 6 inches or more from the trunk. Or, if you build a raised basin, create an inner circle of mounded soil 6 inches from the trunk.

In hot summer areas, wrap trunks with commercial trunk band or paint with whitewash or common cold-water paint (preferably tan or brown to match the bark color).

Stake trees only if winds are a threat or if the trees do not stand by themselves.

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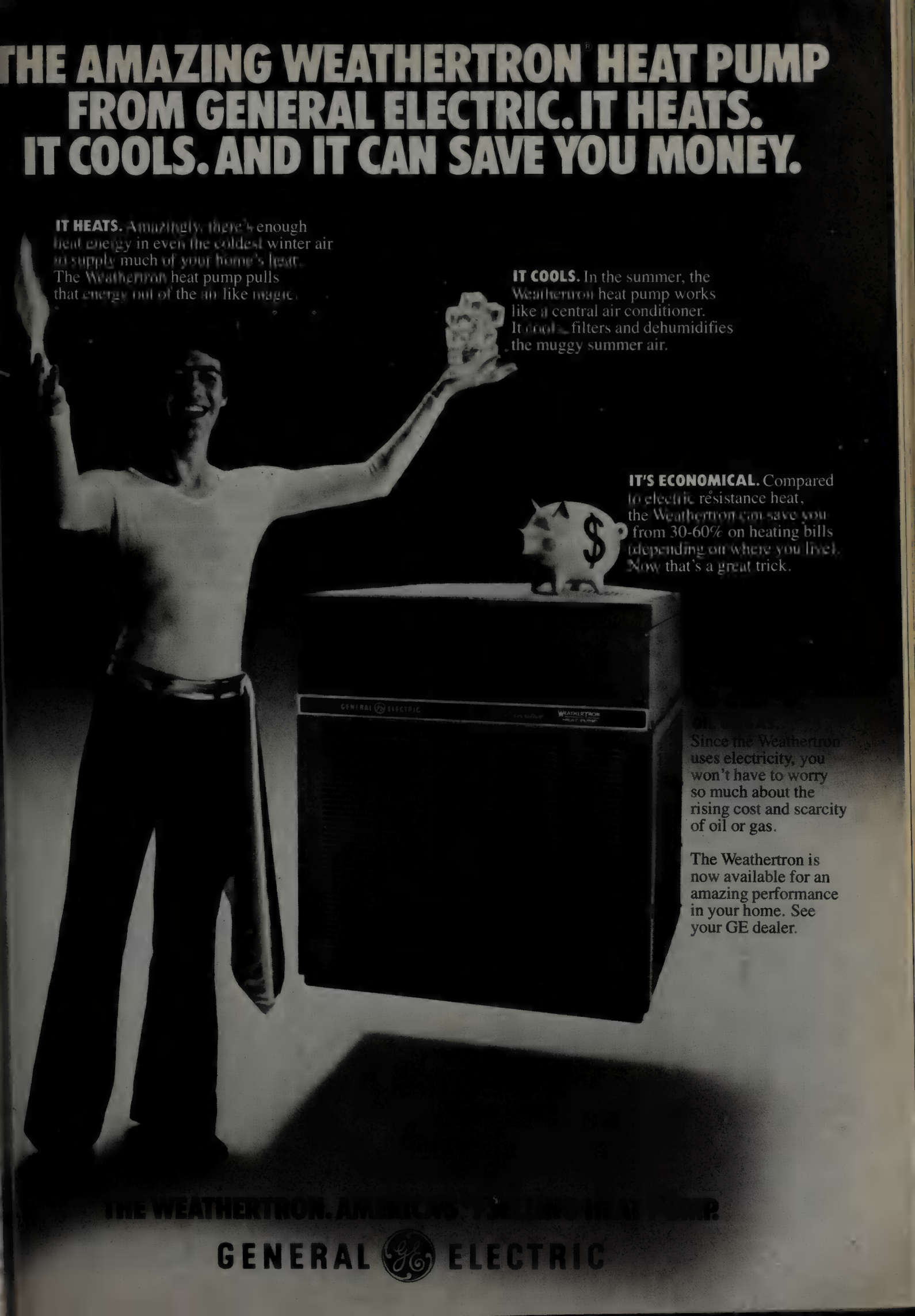

OR.

Since the Weathertron uses electricity, you won't have to worry so much about the rising cost and scarcity of oil or gas.

The Weathertron is now available for an amazing performance in your home. See your GE dealer.

THE WEATHERTRON. AMERICA'S [illegible] HEAT PUMP.

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New Seabury home, Cape Cod, Mass.; Architect: Royal Barry Wills & Associates, Boston; Developer: Emil Hanslin, New Seabury; Cabot's Stains ■ siding

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Demand is great for the unique "driftwood" look, an effect usually found only in seacoast areas after years of exposure to salt air. Cabot's Bleaching Oil, when applied to untreated wood surfaces, imparts ■ delicate gray tone which weathers in but a few months to ■ beautiful, natural driftwood gray, will not crack, peel, or blister. Everybody talks about the weather; Cabot's has done something about it.

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Pure Water Society, Inc,
P.O. Box 83226, Dept. SU-5,
Lincoln, NE 68501. (402) 467-2577

Reestablishing bloomed-out timber bamboo

The bloom cycle of giant timber bamboo (*Phyllostachys bambusoides*) is one o the most remarkable phenomena in th plant world. Understanding it may hel if your bamboo appeared to die recently or if you would like to grow a clump o this magnificent giant grass.

In the September 1971 *Sunset*, we re ported on the flowering and subsequen dieback of giant timber bamboos all ove the West, conjecturing that the simul taneous blooming appeared on division and subdivisions of a single clump im ported in 1904.

But what we did not know then was tha giant bamboo clumps were bloomin worldwide. Botanists in Japan and Chin have known all along that the plant bloom every 120 years, taking about 3 years to complete the cycle.

The current bloom cycle started 25 year ago in Japan, peaking in the 1960s. Vi tually all giant timber bamboo clump have now bloomed and most have begu to recover. (When flowering start plants tend to throw their food reserve into bloom instead of leaves. Soon mo of the plant is ■ brown, chaffy ruin.)

Therapy. Unless you allowed it to go d through the drought, you should be ab to bring a bloomed-out clump back health. Remove dead stems. Give t clump plenty of fertilizer and wate Feed now and again in July or Augu when new growth is complete. Mul with leaves, compost, or well-rotted m nure. The plant will become strong each year and should be sending strong culms (shoots) in 5 to 15 years.

The reliability of this bloom cycle mea you don't have to abandon giant timb bamboo as a garden plant. Clumps of —new or old—will not bloom again f 120 years.

Starting the plant. Giant timber bamb is hard to find these days. Most comme cial growers stopped raising it when began blooming, but a few nurseri have plants grown from seed. You c grow it from fresh seed too—if you c find any. They seem not to be sold a where, but a few plants are still bearir

Sow seeds in flats of sandy loam or p ting soil and cover with about ¼ in of soil. Keep flats moist, shaded, a warm. Viable seeds should sprout in weeks to 3 months. When tops are inches high, plant them out.

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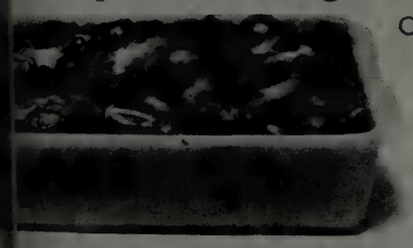
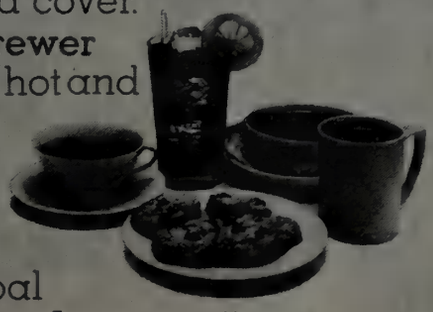
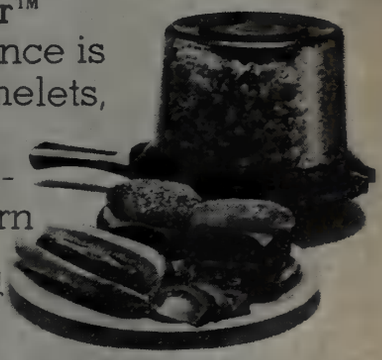


The **meal maker**™ counter-top appliance is a pop-up toaster, full range oven, roiler and slow cooker too. Includes ow cook dish and a cover.

The **Beverage Brewer** akes great coffee, hot and ed tea, quick hot ater for instant ups and cocoa. eluxe model has n exclusive charcoal ater filter, "The Taste Improver."



The **PanHandler**™ mini-serving appliance is for eggs, burgers, omelets, bacon, hot dogs, crèpes, grilled sandwiches, even popcorn with the optional Corn Popper Topper™ attachment.



They all make smart gifts for brides, graduates, or for that special person, yourself. Because with each of them, you make one appliance do the work of several appliances. And that's smart thinking in anyone's language.

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STEVE W. MARLEY

Taming a wild Lisbon lemon

At far left, you see how wild a Lisbon lemon tree can get in 18 months without pruning. But an hour's pruning (center) can reduce it to the compact, pickable shape shown just above

Opening, reshaping a navel orange

With navel orange, leave shape pretty much as is. But thin and open up interior of tree (center). Nearly all of prunings in front of tree came from its inside

Prune-grooming citrus

To open them up, to curb pests, to help fruit output, to improve appearance

Any time from the last frost of sprin until midsummer you can prune citru trees of all varieties—dwarf or standarc As you open up the tree, you'll give more light, eliminate hiding places fc citrus enemies, and increase the effec tiveness of sprays if you use them.

For purposes of pruning, you can divid citrus into two groups: lemons, on whic most of the pruning is external; an grapefruits, limes, oranges, tangelos, an tangerines, on which most of the prunin is internal. Either way, the whole pru ing job should take less than an hou per tree.

Here are some general rules to follo

ove *erect, unbranching sucker growth at its base (it crowds inside tree). Paint over any cut larger than a quarter with tree sealer*

One season *after pruning, the Lisbon lemon at far left produced the bumper crop you see below*

BILL ROSS

dress for the job. Long sleeves and er gloves will reduce scratches and ures, especially when you prune y lemons and limes.

consider the tree's age. During the three years, prune off only dead and trunk suckers; this lets lower hes grow and shade the tree trunk sunburning during the hot months. eaves on these remaining young hes manufacture the food that goes he trunk, top, and lateral growth.

g the fourth and fifth year (except mons), do little pruning—but re- suckers or branches that are ing. On lemons, prune to shape—four or five structural branches.

large cuts with a tree sealer or ape. This keeps harmful organisms damaging the inside wood.

trees begin bearing heavily—y after the sixth year—treat them ows.

ns

ns are champion growers; suckers ureka' and 'Lisbon' varieties can 10 feet per year, making the out- the tree look shaggy and quickly up the inside of the tree. Concen- our efforts on the outside of the ut cut away dead wood (which ruit badly) and enough suckers to p the tree a little on the inside.

ruits, limes, oranges, s, and tangerines

runing on these is done inside the rune out interior dead wood to t scarring fruit and remove suck- let in more light (more light will e size of the interior fruit). Also cluttered small branches so you ch the trunk.

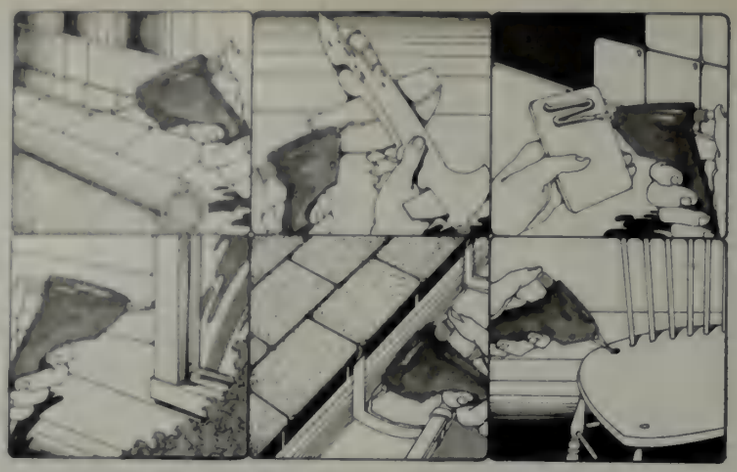
on the outside only to give the tree some shape. Let outside branches hang to within a few inches of the ground. Trees often bear the heaviest on that low growth. But don't let leaves touch the ground, since that gives ants more places to climb onto the tree (ants encourage and actually tend harmful citrus insects). Keep ants off the trunk by painting a layer of gooey ant barrier material around it just above ground level.

Kumquats

These are so small that almost no pruning is needed; just cut away or break off dead wood when you see it. □

Citrus pruning tools *include three-legged ladder, gloves (especially for lemons with spiked branches), nippers for small branches, loppers for branches up to 1½ inches, and the saw for anything larger. Tree sealer is for painting open wounds*

STEVE W. MARLEY



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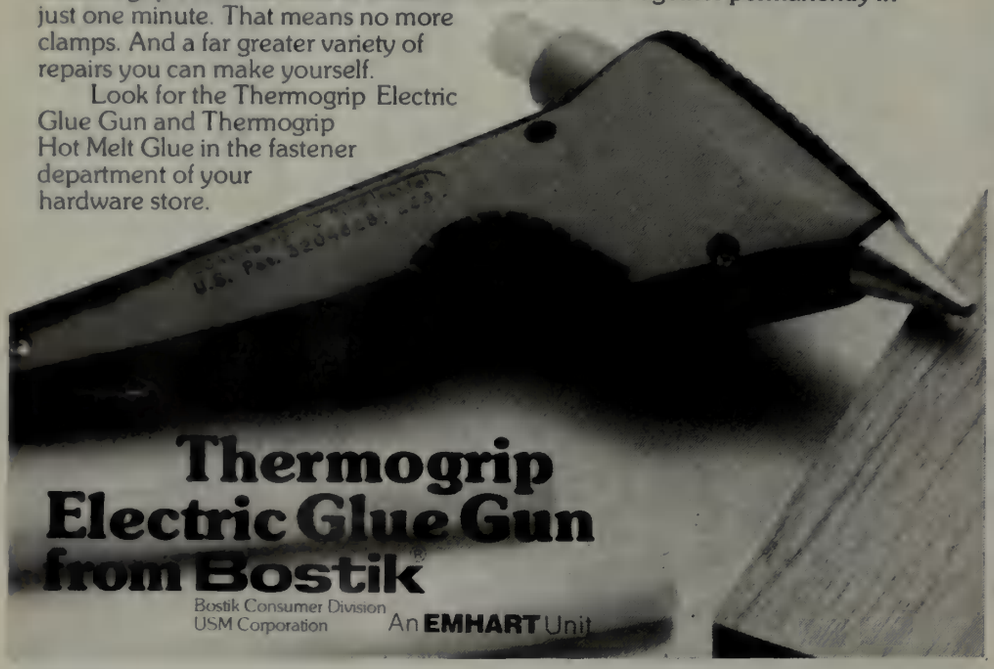
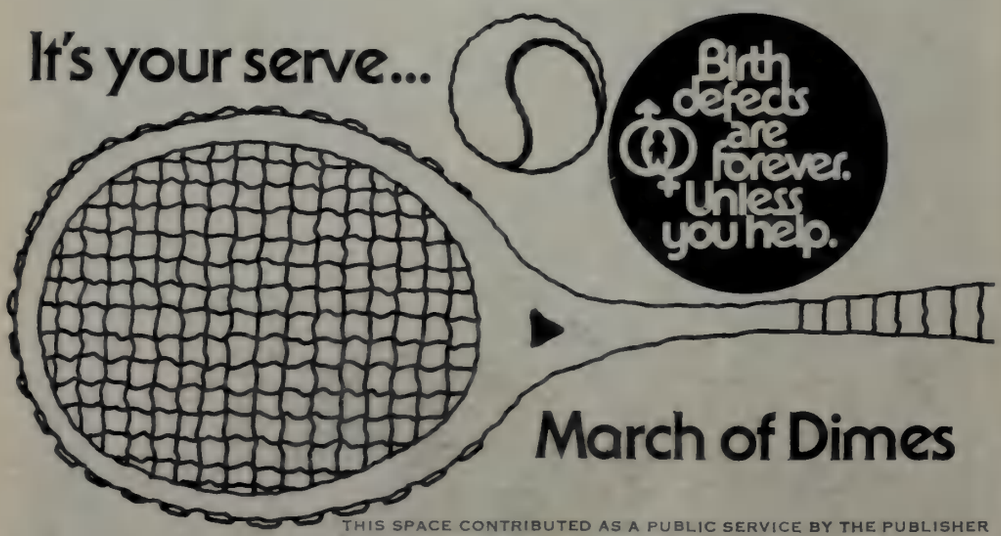
Look for the Thermogrip Electric Glue Gun and Thermogrip Hot Melt Glue in the fastener department of your hardware store.





THIS SPACE CONTRIBUTED AS A PUBLIC SERVICE BY THE PUBLISHER

STEVE W. MARLEY

Feathery, *2-inch flowers of Centaurea imperialis are white, pink, lilac, purple*

Unusual flowers to start from seed

Flowers come in countless variation size, shape, and color, but to have m unusual kinds, you must start f seeds. Shown here are four you can this month for bloom this summer. sunflowers are described on page along with six other unusual choi Enjoy all ten in your garden or cut bouquets.

Centaurea. *C. imperialis,* shown ab is larger and more fragile-looking its common relative, bachelor's but Flowers are mildly fragrant and about a week cut. Most are pink to ple shades; occasionally you see a low one. The somewhat floppy 2- tall plants may be short-lived and productive in hot, dry weather; fa very early spring sowing are prefe in Southern California and the des

Emilia. The flame-colored flowers sh bottom right are only ¾ inch long they add a lively spark to bouq Children and wildflower fanciers ar chanted by their airy grace and frag They last about 5 days cut, bloo about two months from seeds.

Venidium. These gazania-like flo

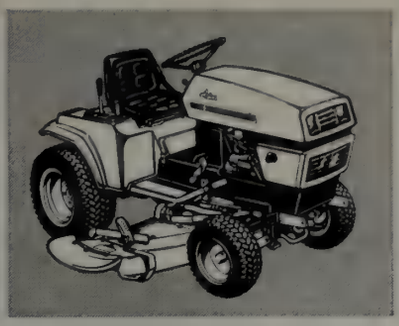
illiant orange *Venidium has a blackish and markings on 2-inch flowers*

-foot *'Color Fashion' sunflowers a profusion of 6-inch golden blooms*

and vermilion *tassels of emilia from slender, branching stems*

own in the top photograph above. ionally the flowers are buff or yel- stead of orange. Stems and buds ebbed with silvery threads. Flow- se at night, even after cutting, but week or more. Plants are 2½ feet rolific, long-lived, and adapted to ry areas. They frequently self-sow, extra early bloom the following in mild-winter climates. □

Ask these questions before buying any Garden Tractor.



When you're shopping for a garden tractor, Ariens feels that taking the time to compare various tractor makes will be a rewarding experience and time well spent. Ask questions about each like:

1. **How easy is it to attach and remove implements from your tractor like a Mower — Tiller or Snow-Thrower? — SHOW ME**
2. **Are the attachments for your tractor Shaft Driven or Belt Driven? — SHOW ME**
3. **Can I use more than one attachment at the same time on your tractor?**
4. **Do you offer a 2-stage Snow Thrower for *All* your Garden Tractors?**
5. **What is the capacity of your tractor's gas tank?**

Ariens welcomes your thorough comparison and is confident that their Garden Tractors will be stand-out quality favorites when you've made it. If you'd like more information about the complete Ariens Garden Tractor line, please write to: **Tractors • Ariens Company • 826 West Ryan Street • Brillion, Wisconsin 54110.**

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We have a lot more to tell you, but we can't afford the space here. So send for our information packet and schedule of summer visitors programs (please enclose $1 for printing, postage and handling).

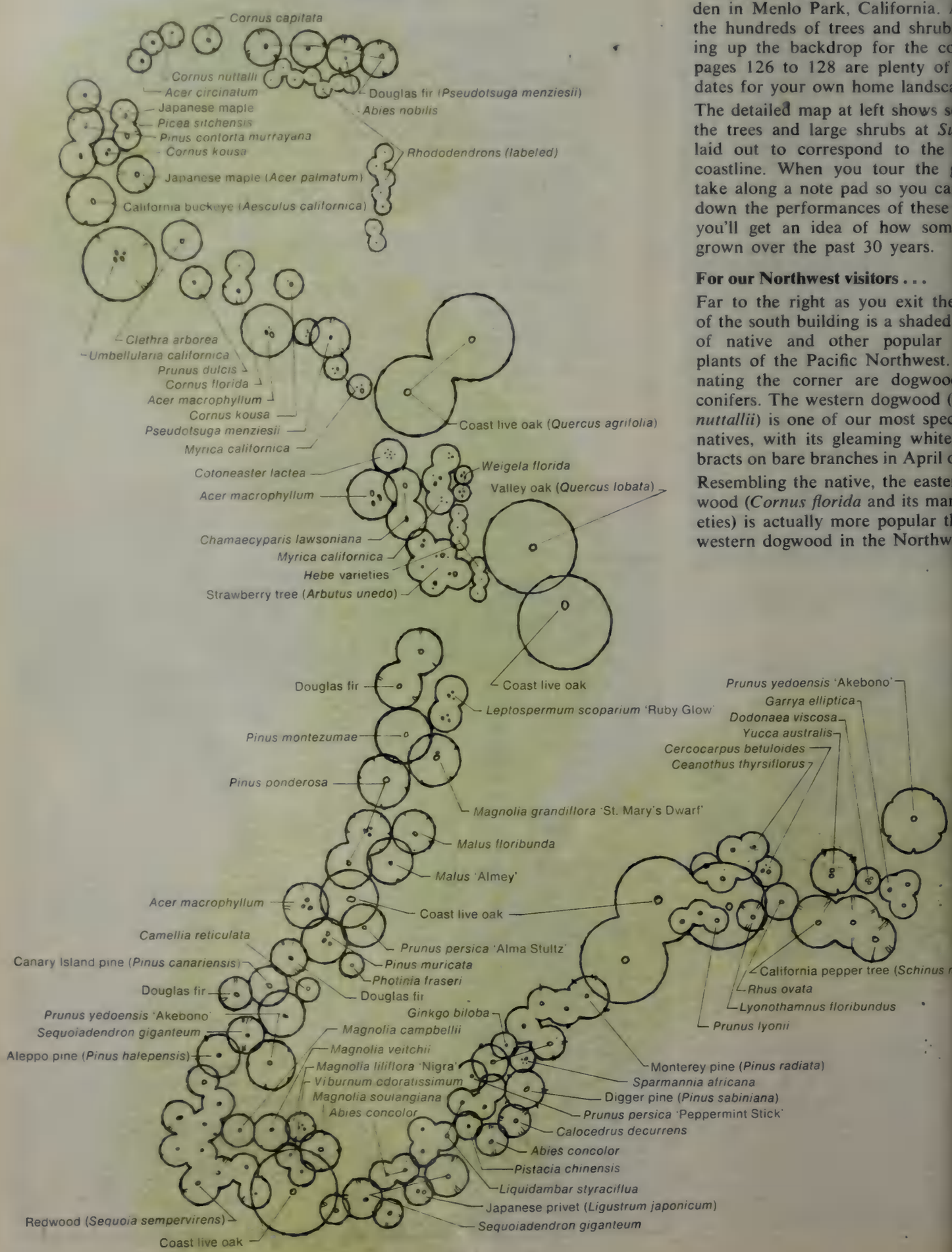
Write to Katherine Bremser,
THE CERRO GORDO COMMUNITY
Dorena Lake, Box 569
Cottage Grove, Oregon 97424

Plant idea collecting at Sunset's garc

The great variety of permanent p
at *Sunset* headquarters and the
binding color from annual planting
two good reasons for a visit to our
den in Menlo Park, California. A
the hundreds of trees and shrubs
ing up the backdrop for the col
pages 126 to 128 are plenty of c
dates for your own home landscap
The detailed map at left shows so
the trees and large shrubs at *Sun*
laid out to correspond to the P
coastline. When you tour the ga
take along a note pad so you can
down the performances of these p
you'll get an idea of how some
grown over the past 30 years.

For our Northwest visitors . . .

Far to the right as you exit the
of the south building is a shaded c
of native and other popular g
plants of the Pacific Northwest. I
nating the corner are dogwoods
conifers. The western dogwood (*C*
nuttallii) is one of our most specta
natives, with its gleaming white
bracts on bare branches in April or
Resembling the native, the eastern
wood (*Cornus florida* and its many
eties) is actually more popular tha
western dogwood in the Northwes



Menlo Park

ermountain areas. Volunteer seed-
s of evergreen dogwood (*C. capitata*)
pop up here and there in this corner
he garden.

ored as Christmas trees, Douglas firs
eudotsuga menziesii) edge the street-
fence of the Northwest section,
ng with Sitka spruce (*Picea sitchen-*
and lodgepole pine (*Pinus contorta*
rrayana). Other members of this for-
community are vine maple (*Acer cir-*
atum) and *Umbellularia californica*
nown to Oregonians as Oregon
rtle and to Californians as California
rel or pepperwood. An exotic lily-of-
-valley tree (*Clethra arborea*) stands
rby, but unfortunately you can't
w this fragrant summer-bloomer in
Northwest—it's too tender.

wn the coast

ntinuing down the path toward the
ployees' putting green (that peninsula
e bottom left of the map), you'll dis-
er plants typical of northern and cen-
California gardens and natural land-
es.

ables here include the many pines
other conifers. Six pines—three na-
three from foreign lands—provide
-round green background for the
ering elements of the garden. Dom-
ng the trees at the end of the penin-
are the ten huge redwoods (*Sequoia*
pervirens).

tacular springtime bloom comes
flowering crabapples (*Malus flori-*
da and *M.* 'Almey'), flowering nec-
e (*Prunus persica* 'Alma Stultz'),
ering cherries (*Prunus yedoensis*
bono'), and five kinds of magnolia.

e Mexican border

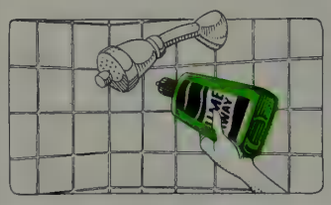
landscape takes on a drier look as
head back towards the building
, giving you an idea of what can
rown in Southern California and
t gardens.

arral and other dry-slope natives
in this section. The *Ceanothus*
florus has lived here for 26 years—
ally long for that short-lived clan.
st mountain mahogany (*Cerco-*
s betuloides) and sugar bush (*Rhus*
) dispel the myth that Southern Cal-
a natives are just scruffy-looking
s.

the Channel Islands off the South-
alifornia coast come two island
lties: Catalina ironwood (*Lyono-*
us floribundus) and Catalina
(*Prunus lyonii*).

alifornia peppers (*Schinus molle*),
and cactus plantings here are typ-
Southern California. □

Hard water deposits? Don't scrub all day, use Lime-A-Way.®



Lime-A-Way was specifically developed to cut through and remove the lime, scale and rust left by hard water.

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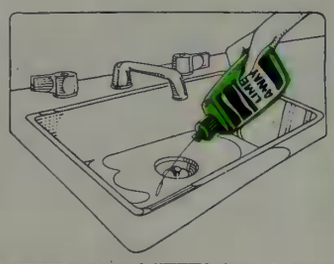

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NORMAN A. PLATE

Garden finds *are the makings of wili leis. The Mother's Day version at left is a Mainland adaption of the one Honolulu lei maker, Raymond T. Wong, is showing off above. His uses fern and plumeria and hers has daisies, carnations, and bachelor's buttons*

Why not a fresh lei for Mother's Day? The wili method is simplest. Here's how

The first of May is Lei Day in Hawaii, and fresh-flowered *wili* leis are part of the celebration.

Wili, which means "to wind," refers to the simplest of the lei-making methods: Flowers and greens are attached to a backing by winding a continuous length of thread around them. Long leis are worn around the neck, shorter ones around the head or hat crown. This Hawaiian tradition can easily be adapted to celebrate Mother's Day or another occasion this spring, when there's a wide choice of flowers in Mainland gardens.

In the Islands, wili-lei makers use banana bark and ti and pandanus leaves for the backing, but we substitute fabric. Using our technique, it will take you

Begin *by placing a sprig of flowers and greens on fabric strip; wind thread around to secure stems; add next sprig*

To finish, *overlap ends, wind thread around stems and fab secure with a double knot*

ut 1½ hours to make a 52-inch lei.

erials. You will need pruning shears ut flowers and greens; containers to them fresh in water; a large spool green #10 boil-fast cord or carpet ad; scissors; and strips of dark green rbent fabric (such as a cotton d), 1½ to 2 inches wide. Hat and l leis are usually 22 to 26 inches , neck leis about 52 inches (it's eas- to make two 26-inch leis, then join). Plastic bags or wrap come in ly to cover and store finished leis.

aring flowers and greens. Many ts are suitable for lei making, but wise to test greens and flowers for evity before making your final selec- Here are some that work well: 's breath, bachelor's button, bou- villea, carnation, daisy, mother fern, lantana, marigold, sweet William.

the stems 2 to 3 inches long and them in water; don't soak blos- . If you cover the containers with ic wrap, cuttings should hold for a in the refrigerator. When ready to a lei, work on a table in the shade.

ing the lei. Begin by knotting the d securely around the fabric strip, h from the end. Point this end away you on the table. Now hold a green ace over the fabric with the stem d you, covering the knot. With free hand, wind thread over the and around the fabric twice—not or the lei will get bunchy.

place a flower, with stem toward close to the green, covering its stem the already-wound thread. Wind l around the flower stem and the as before, angling the thread to- you as you wind. Repeat, winding wers and greens—one at a time or igs.

ul hints. While winding, keep l short (4 to 5 inches) on the spool.

lift the finished part of the lei to thread around fabric and stems. d, leave your lei flat on the table ft the bare fabric.

thread taut enough to hold stems ce, but not tight enough to cut Marigold and fuchsia blossoms off their stems easily, so put them en greens, then wind the thread.

gthen your lei, overlap the end on ginning of a new fabric strip, and thread around as you add more s and greens.

ing the lei. Leave a few inches of uncovered at the end so you can p and join it to the beginning. simply wind the thread around nd make a double knot. Gently e water on your lei, then cover it lastic wrap until you're ready to t. It can be refrigerated up to a fore flowers begin to fade. □

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NORTHERN CALIFORNIA

Berkeley. May 13. Annual plant sale by the docents of the University of California Botanical Garden. Place: east end of Memorial Stadium, Rim Way. Hours: 9 to 2. Unusual plants from all over the world will be offered for sale. Special sections will feature California natives, ferns, rhododendrons, fruits and vegetables, succulents, vines, house plants, orchids, and bromeliads.

San Mateo. May 13. Sixth annual plant sale of the San Mateo Garden Center, 605 Parkside Way (in Beresford Park, just west of Alameda de las Pulgas). Hours: 10 to 3. Plants for sale include annuals, bonsai, bromeliads, ferns, herbs, house plants, orchids, perennials, and succulents.

San Rafael. May 13. Plant sale presented by the Marin County branch, American Fuchsia Society. Place: Montecito Shopping Center, in front of the Crocker National Bank, 409 Third St. Hours: 9 to 3. Plants for sale—in addition to fuchsias—include ferns, geraniums, succulents, and others.

Burlingame. May 13 and 14. Fifth annual bonsai exhibit by the Hillsborough Bonsai Society. Place: Burlingame Recreation Center, 850 Burlingame Ave. Hours: noon to 5 Saturday; 11 to 5 Sunday. Free.

San Francisco. May 13 and 14. Annual show and plant sale by the American Gesneriad Society of San Francisco. Place: Hall of Flowers, Golden Gate Park, Ninth Ave. and Lincoln Way. Hours: noon to 5 Saturday; 10 to 5 Sunday. Admission: free.

Santa Cruz. May 13 and 14. Seventh annual rhododendron and azalea show of the Monterey Bay chapter, American Rhododendron Society. Place: Antonelli Brothers Begonia Gardens, 2545 Capitola Rd. Hours: 1 to 5 Saturday; 10 to 4 Sunday. Free.

Oakland. May 14. Annual Mother's Day program (2 P.M.) and Rose Festival at Morcom Amphitheater of Roses, foot of Jean St. near Grand Ave. This is the first big flush of bloom in the amphitheater, featuring many rose types and the 1978 All-America rose selections.

San Francisco. May 14. The 37th annual rose show, one of the largest in the state, presented by the San Francisco Rose Society. Place: Hall of Flowers, Golden Gate Park. Hours: 1 to 6. Free.

Berkeley. May 16. Display and "silent auction" by the study groups of the Berkeley Garden Club. Place: Brazilian Room, Tilden Park. Hours: 1 to 3. Free. Each group will have a table: bonsai, botany, flower arranging, garden arts and crafts, herbs and spices, and succulents.

Albany. May 20. A show and plant sale of old garden roses presented by the Old Garden Rose section, Heritage Roses. Place: Albany Community Center, 1123 Eighth St. Hours: 10 to 4. Admission: free. There will be an extensive display of cut flowers, slide shows of old and rare roses, and many kinds of old roses for sale.

San Anselmo. May 20. Annual plant sale presented by the Marin Orchid Society. Place: the arbor of the Red Hill Shopping Center, Sir Francis Drake Blvd. Hours: 9 to 4.

San Rafael. May 20. Sale of rooted cuttings presented by the Chrysanthemum Society of Marin. Place: in front of Crocker National Bank, Montecito Shopping Center. Hours: 9 to 2. Society members will be on hand to answer cultural questions and assist with selection of chrysanthemums.

Walnut Creek. May 20. Annual sale of young chrysanthemum plants by the Northern California Chrysanthemum Society. Place: Bank of America parking lot, corner of Main St. and Mount Diablo Blvd. Hours: 9 to 1.

Grass Valley. May 20 and 21. The 11th annual flower show sponsored by the Chicago Park Garden Club, in cooperation with the Nevada County Flower Arrangers and Exhibitors. Place: Floriculture Building, Nevada County Fairgrounds on McCourtney Rd. Hours: 1 to 5 both days. Free.

Mountain View. May 20 and 21. Show and plant sale presented by the Cactus and Succulent Society of San Jose. Place: Mayfield Mall, Central Expressway and San Antonio Rd. Hours: 10 to 5 Saturday; noon to 4 Sunday. Admission: free. Educational exhibits will be displayed by the society.

Palo Alto. May 20 and 21. The Peninsula Bonsai Club (consisting of the Mateo, Palo Alto, and San Jose bo clubs) will sponsor its 25th spring exh of nearly 300 bonsai plants. Place: Alto Buddhist Church, 2751 Louis Hours: noon to 7 Saturday; 9:30 t Sunday. Donations welcome.

Demonstrations of bonsai-growing te niques will be held each day at 3, lowed by presentation of bonsai c prizes. An imported bonsai from Ja will also be given away daily.

Redwood City. May 20 and 21. The annual Redwood City Flower and Show. Place: Veterans Memorial Bu ing, 1455 Madison Ave. Hours: 3 Saturday: 10 to 5 Sunday. Free.

Sacramento. May 20 and 21. Show sented by the Sacramento Geran Club. Place: Shepard Garden and Center, 3330 McKinley Blvd. Hour to 6 Saturday; 10 to 5 Sunday. Free

San Francisco. May 20 and 21. Twe third annual show and plant sale sented by the African Society of Francisco. Place: Hall of Flow Golden Gate Park. Hours: 2 to 5 Sa day; 10 to 4 Sunday. Admission: fre

Stockton. May 20 and 21. Thirte annual bonsai exhibit of the Stoc Bonsai Club, presented in conjunc with the San Joaquin County Spring tival. Place: Memorial Building, M Grove Park, off U.S. Highway 99 tween Stockton and Lodi. Hours: to 6 both days. Free. There will b ternational foods for sale, entertainn and ample parking for the festival.

Santa Cruz. May 21. Many areas of ticultural interest will be open to public at the open house of the Un sity of California, Santa Cruz can Hours: 10 to 4. Parking and a sh service to all exhibits will be avai at Cowell College. Picnic lunches be sold.

The UCSC student farm features trees, berries, and vegetables, with phasis on experimental organic gro methods. The UCSC student garde several acres of ornamentals and cu flowers. Visit the solar greenhouse Arboretum (specializing in pines South Pacific plants), and the Forest tory exhibit. Knowledgeable pers will be on hand at each area.

Guerneville. May 27. Flower show sented by the River Pot 'n Trowel Place: Veterans Memorial Bui Hours: 10 to 5. Free.

Sacramento. June 3 and 4. A nor petitive and educational show pres by the Sacramento Fern Forum. Shepard Garden and Arts Center. 10 to 6 Saturday; 10 to 5 Sunday.

Stockton. June 3 and 4. Sixth a show presented by the Stockton C

Succulent Society. Place: Webers-n Mall, 4950 Pacific Ave. Hours: 10 Saturday; noon to 4 Sunday. Free.

LORADO

ver. May 12 and 13. Plant and horti-ural book sale by the Denver Botanic dens. Place: in and around the gar-s, 1005 York St. Hours: 9:30 to 5:30 days. Admission: free. A very large ction of plants in the Rocky Moun-area will be available for sale: an-ls, herbs, house plants, perennials, bs, trees, and vegetables.

ver. May 20 and 21. Annual show plant sale by the Denver Orchid So-y. Place: Denver Botanic Gardens. rs: 9 to 4:45 both days. Free.

ver. May 27 and 28. Denver Iris So-y show. Place: Denver Botanic Gar-s. Hours: 1:30 to 4:45 Saturday; 10 :45 Sunday. Free.

ver. June 3. All-day field trip to Barr e, sponsored by the Denver Botanic dens. Meet at 8 A.M. at 909 York St. A.M. at Barr Lake State Park. Cost be $2.50, plus a share of driving ex-es. Bring lunch and wear comfort-shoes for walking on flat terrain to r two habitats—marsh and plains.

ver. June 3 and 4. Show presented e Rocky Mountain African Violet cil. Place: Denver Botanic Gar-Hours: 1 to 4:45 Saturday; 10 to Sunday. Free.

ADA

. May 25. Annual flower show sored by the executive board, Reno-ks Garden Clubs; staged by the n Thumbers and Sage and Sand n clubs. Place: Centennial Coli-. Hours: 1 to 9. Free. □

To announce your garden events

uld you like us to publicize a den show or other special event be held by your garden club?

so, simply send us the following rmation: time of the event th date and hours); location ilding, street address, city); es of exhibits; admission fee; any other information that ld interest our readers.

t sheets should reach us three nths in advance of the month would like the event men-ed in *Sunset*. Mail all informa-to Garden Events Editor, *set Magazine*, Menlo Park, if. 94025. □

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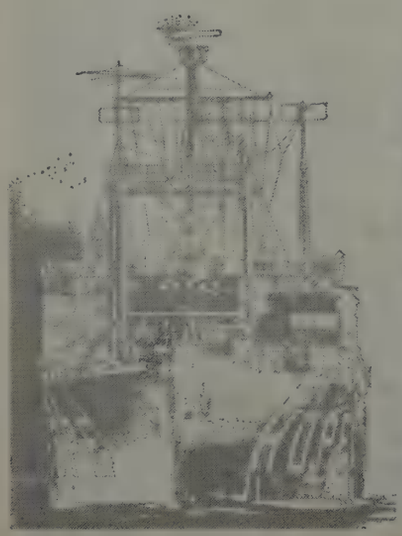

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CRAIG AURNESS

May: *Prescott, Arizona fourth-graders hoe their fledgling pioneer garden. Plot and log cabin are part of community nature center*

October: *The same children, now fifth-graders, harvest pumpkins, gourds, corn—enough for 25 classroom*

PIONEER GARDEN IN PRESCOTT, ARIZONA

Fourth-graders plant in May. Fifth-graders (same children) harvest in October

No pioneer to Prescott, Arizona could have been prouder of his first garden than the Prescott school children shown on these pages. Their garden produced enough corn, pumpkins, and gourds to supply them and 24 other classrooms with raw material for several months of crafts and cooking projects.

For most of the participating youngsters, it was a fulfilling introduction to gardening as well.

The Prescott Kiwanis club donated $150. That paid for mulches, fertilizer, cultivating, and seed for the 35 by 70-foot garden at Prescott's Nature Center.

"To give the youngsters one more way of understanding our pioneers, we chose only crops they would have grown," said project creator Henry Dahlberg. "We looked for hardy, enjoyable crops with a flexible harvest period that wouldn't demand too much summer maintenance."

Fourth-graders from Lincoln and Dexter elementary schools launched the pr in May, planting 12 rows of Indian c 12 rows of popcorn, and lots of pu kins and ornamental gourds.

They came back several times durin summer to hoe. An Eagle Scout ca date did the watering.

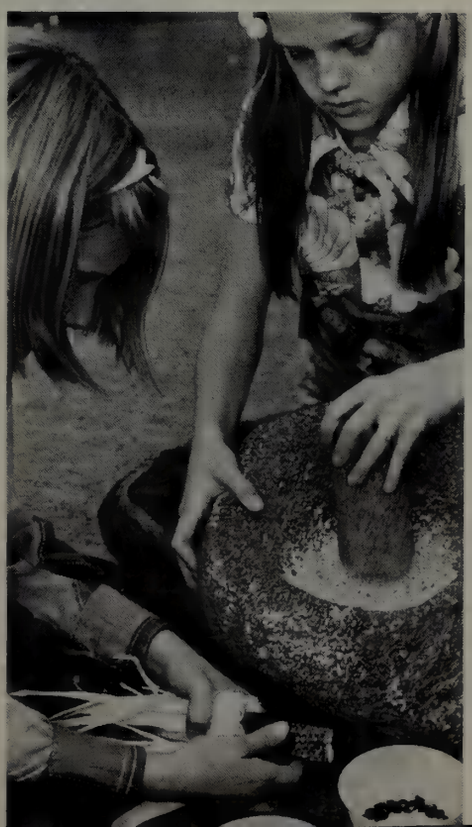
In October, the young farmers— fifth-graders—reaped their rewards pumpkins, 5 large bags of gourds, an abundance of corn.

In the classrooms, pumpkins bec

NORMAN A. PLATE

November: *Whole class makes decorations for school cafeterias. Thanksgiving centerpieces are made of gourds, corn ears and tassels*

"This is hard work!"
Young students gain new respect for pioneer and Indian methods of milling flour from corn kernels



-lanterns, pies, and seeds for eat-
ndian corn was ground into flour
ay neighboring Hopis and Navajos
done it for generations. Popcorn
d in October, but it popped better
uary and February after it had
longer.

husks, soaked and modeled, be-
dolls. Husks, corn tassels, and
were assembled into Thanksgiv-
enterpieces to decorate Prescott
cafeterias during the holidays.

e children saved enough seed to
new year's crop. "Now we have
children eager to join in than we
om for," says Dahlberg. "It looks
pioneer garden's here to stay." □

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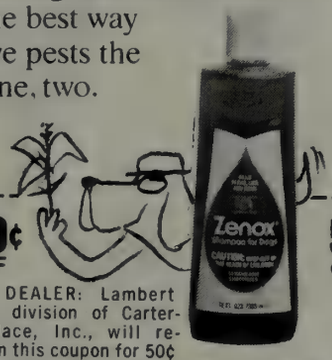

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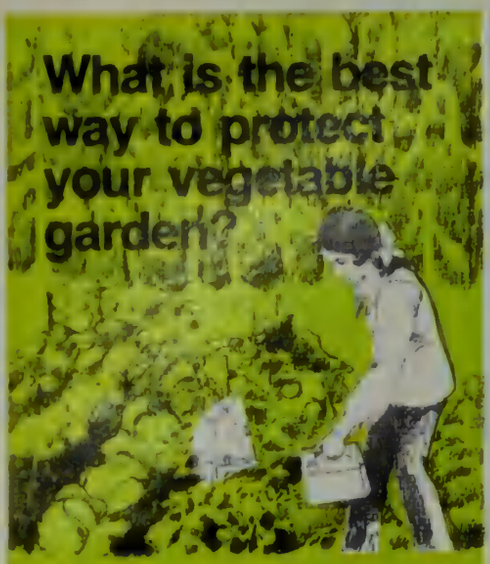

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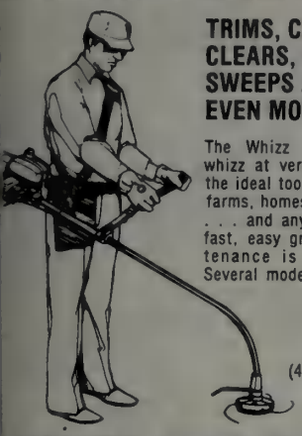

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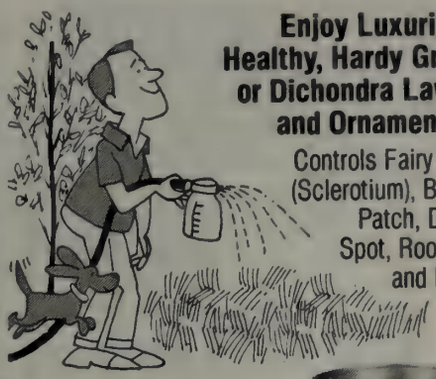

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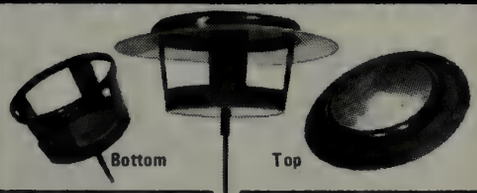

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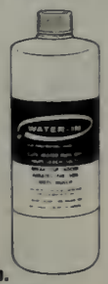

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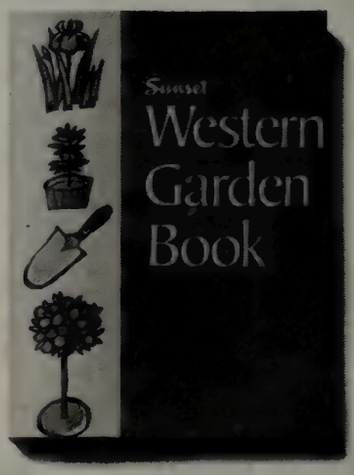

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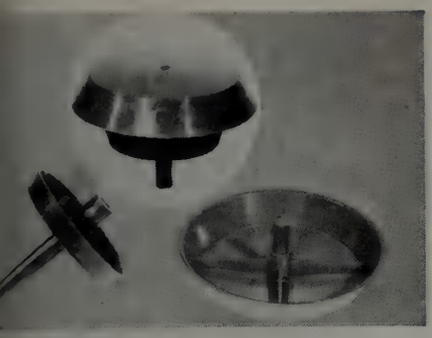

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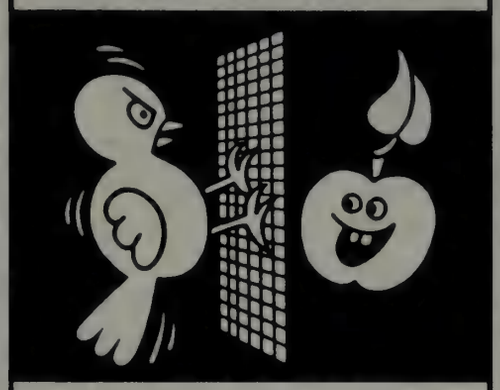

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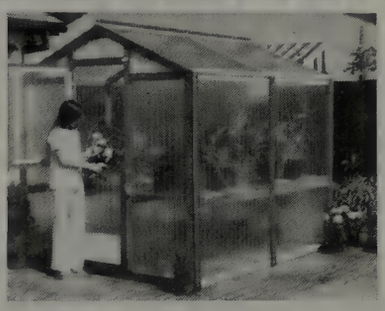

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Flowerpot fountain stands tall

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Designer John W. Smith of Santa Monica used one 11-inch and two 13-inch terra cotta wall pots and, for the basin, a round 15½-inch pot. Redwood boards make a backboard 6 feet tall and 18 inches wide. A half-circle of carved, weathered wood crests the backboard.

A small hidden electric pump circulates water up behind the backboard from the basin to the highest pot.

You'll need three holes for water to trickle through each of the three wall pots and holes for the pump hose in both basin and top pot, with a corresponding backboard hole behind the top pot. Drill holes very carefully, working from both inside and out.

Attach wall pots to the backboard with wire run through the pots' existing holes, then through matching holes drilled in the backboard. □

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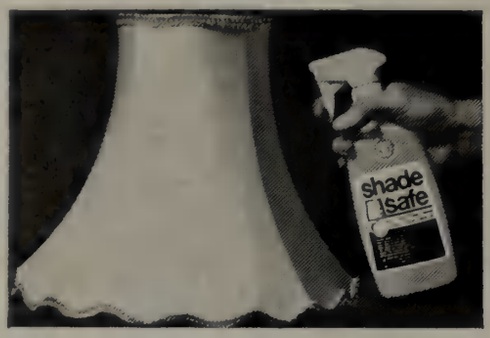

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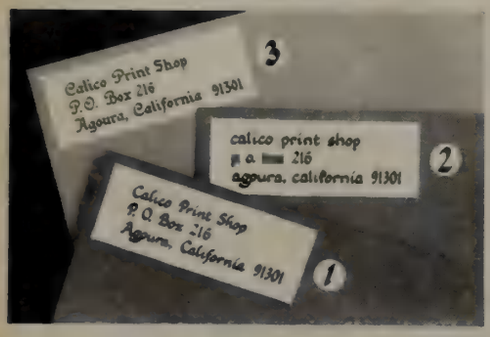

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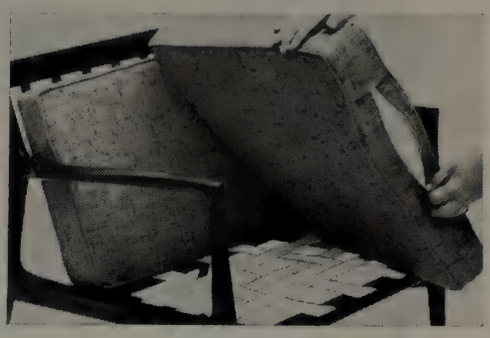

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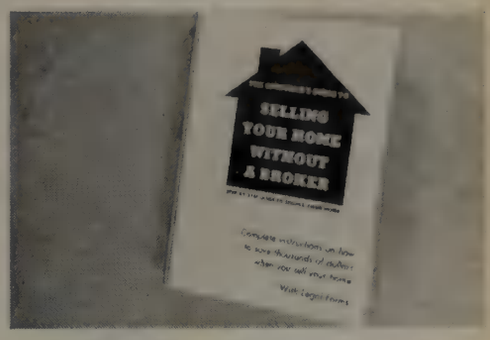

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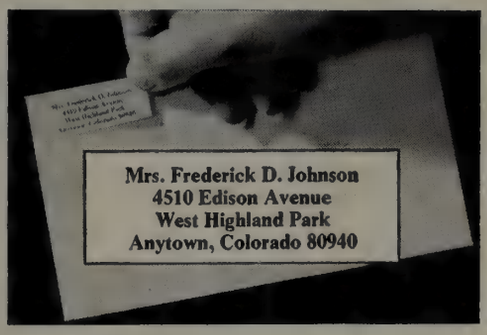

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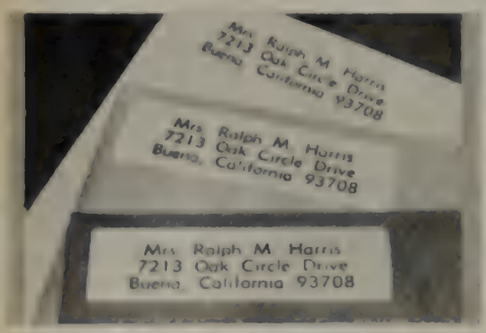

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MICHAEL THOMPSON

Harlequin leaves *of variegated pieris are marked with pink in spring, then creamy-white. The flowers in this typical cluster are glossy white, ¼ inch long*

Flower and leaf color in shade

Leaving well enough alone cannot be charged of *Pieris* growers. They've gone beyond a handful of standard varieties by hybridizing, selecting new forms, and naming once-uncommon old forms.

Their new offerings of *Pieris* (lily-of-the-valley shrub or andromeda) give you an impressive selection of these shade garden favorites. They're all delicate-looking, waxy-flowered shrubs for cool-climate gardens.

P. japonica. Varieties of this traditional pieris are many. The variegated form (shown above) is probably as popular as the all-green species, perhaps because many professionals think it's tougher.

Among the many other varieties of *P. japonica* with unusual growth habits or foliage (some hard to find) are: 'Bert Chandler,' with new foliage that changes from salmon pink through cream to white, then pale green; 'Compacta,' similar to common *P. japonica* but much smaller; 'Crispa,' with wavy-edged leaves of great distinction; 'Mountain Fire,' fiery red new growth; and 'Pygmaea,' a tiny dwarf less than 1 foot tall, narrow leaves 1 inch long or less, few flowers.

If you grow pieris for its flowers, try one of these varieties: *P. japonica* 'Christn Cheer,' a white and deep rose-red ea bloomer with rose-red flower stal 'Coleman,' with pink flowers open from red flower buds; 'Daisen,' sim to 'Christmas Cheer' but with broa foliage; 'Dorothy Wyckoff,' bear white flowers from deep red flower bu 'Flamingo,' a heavy bloomer with r red flowers; 'Pink,' with shell pink fl ers that fade to white; 'Valley Ro low-growing with light pink flowers; 'White Cascade,' an extremely he flower producer.

P. 'Forest Flame' (*P.* 'Flame of the F est'). This new variety combines new-foliage brilliance of *P. forrestii* v some of *P. japonica's* hardiness. Sp foliage is especially bright red, and many flower clusters are broader heavier than *P. japonica's*.

Treat pieris as you would rhododendr and azaleas. They require some sh particularly in the afternoon, but accept full sun in cool, moist clim Inland, they become increasingly fu They grow slowly; ultimate size is 10 feet. Where water is high in s they need careful leaching.

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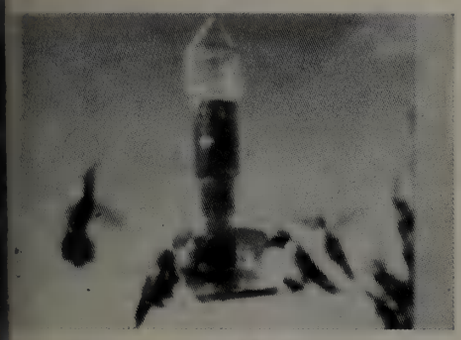

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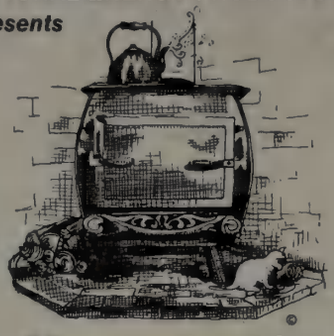

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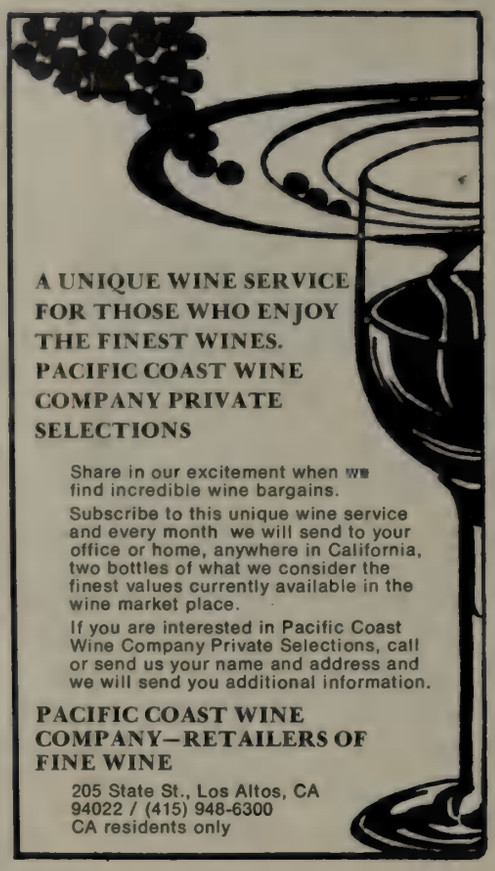

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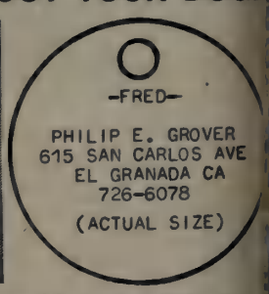

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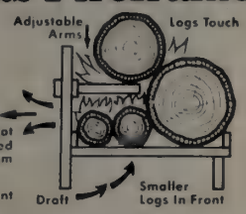

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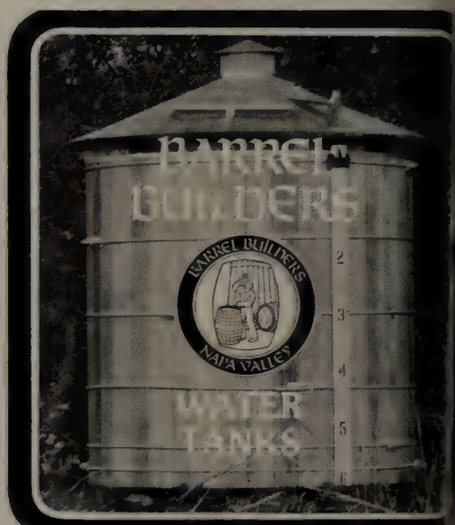

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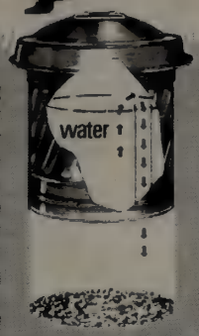

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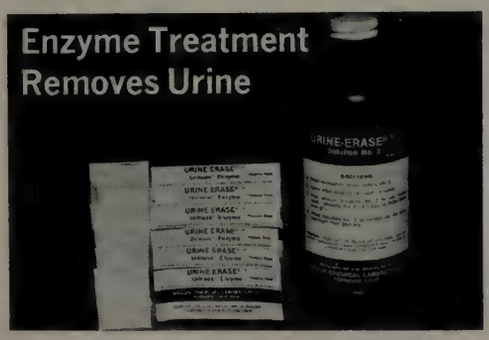

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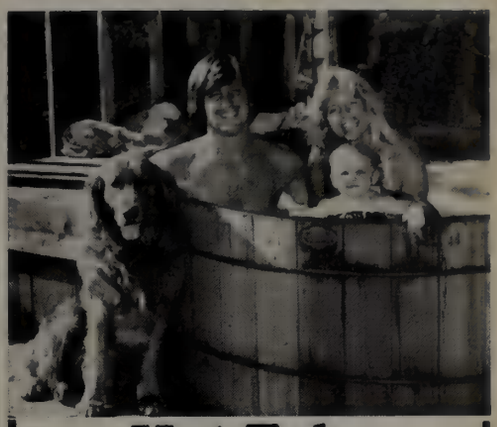

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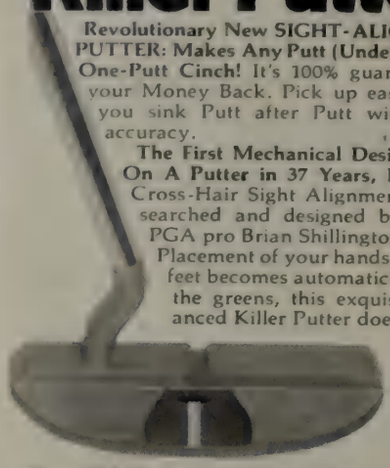

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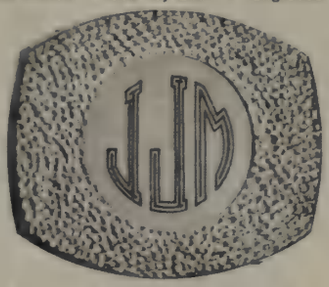

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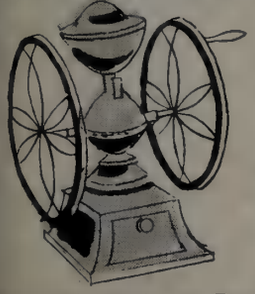

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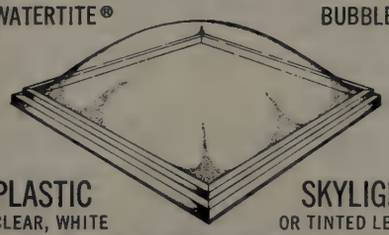

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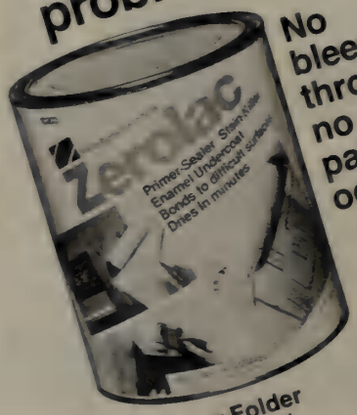

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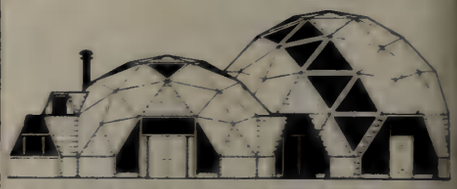

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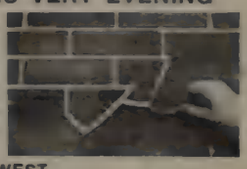

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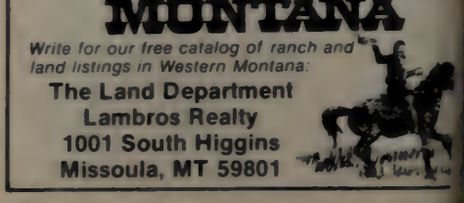

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GLENN CHRISTIANSEN

LETTER FROM *Sunset*

A different birthday coming. We'll be looking ahead

This is a time of birthdays for *Sunset*. On page 120, we celebrate o magazine's 80th birthday with a look back over eight lively decade And on page 126, we invite you to pay us a visit and take a wa through our garden, now in spring bloom.

Next February, we will celebrate a very different kind of *Sunset* birt day. In that month 50 years ago, the first issue of *Sunset* under th ownership of the Laurence W. Lane family reached some 150,00 readers. Today's *Sunset*, with a print order 10 times as large, is read b more than 3 million people.

Before 1929, *Sunset* had been a magazine of fiction, political commen tary, and informative articles. It was not a service magazine and no always especially Western.

The first Lane issue, February 1929, was a new idea in magazine pub lishing designed to help Westerners take advantage of the things tha made living in the West different. It dealt with travel, gardening, build ing, and cooking—where the differences in Western climate, geogra phy, and way of life were most apparent.

In the nearly 50 years since, *Sunset* has maintained this travel/building cooking/gardening focus. At the same time, the magazine has change and expanded its scope as life in the West has changed.

For instance, we reported on new open-plan houses in the 1950s, ne solar houses in the 1970s, on big-scale barbecuing in the 1930s, tabl top barbecuing in the 1950s, on microwave cooking and food proce sors in the 1970s, on outdoor living in every decade, on conservatio and the rediscovery of vegetable gardening in the last decade.

Of course, more change is coming. Our February 1979 issue will giv us a look at what's ahead. We will be asking men and women involve with change—in the sciences, in industry, in the arts, in government- to share with us their conjectures, concerns, and predictions.

As *Sunset* heads into its second half-century as the Magazine of Wes ern Living, what differences are likely in the way we live, the hous we live in, the foods we eat, the ways we use and conserve energy, th quality of tomorrow's air, the quantity and quality of tomorrow's wate We will offer the hunches and predictions of qualified people on su prises around the corner. Among them will be our own publisher an editors, people who have spent their professional lives dealing wi changes that affect Western living.

WINDOW ON THE WEST: *Quarks coming*

Change comes more and more quickly as we look for the basic structure of matter. Just a decade ago, this 2-mile-long linear accelerator in the foothills behind California's Stanford University became the latest replacement for the cyclotron as the basic search tool. It accelerates energized electrons to virtually the speed of light and then hurls them into the nuclei of atoms, crumbling them into hundreds of short-lived subatomic particles.

But by 1980, when underground construction (light area in foreground) on a 1½-mile circular ring is completed, electrons and positrons will be shot down the tube and into the ring to collide head-on with immense energy—creating even smaller particles that may lead us to theorized basic constituents of matter called "quarks." One Nobel prize has already been awarded for the first stages of this new generation of research.

June 1978

95 cents

Sunset

The Magazine of Western Living

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Tahoe

The Glorious Mountain Lake
Where to Enjoy its Pleasures
How to Understand its Troubles P. 88

Can't-Miss Pies
With Summer Fruits P. 106

Garage Into Living Space P. 100

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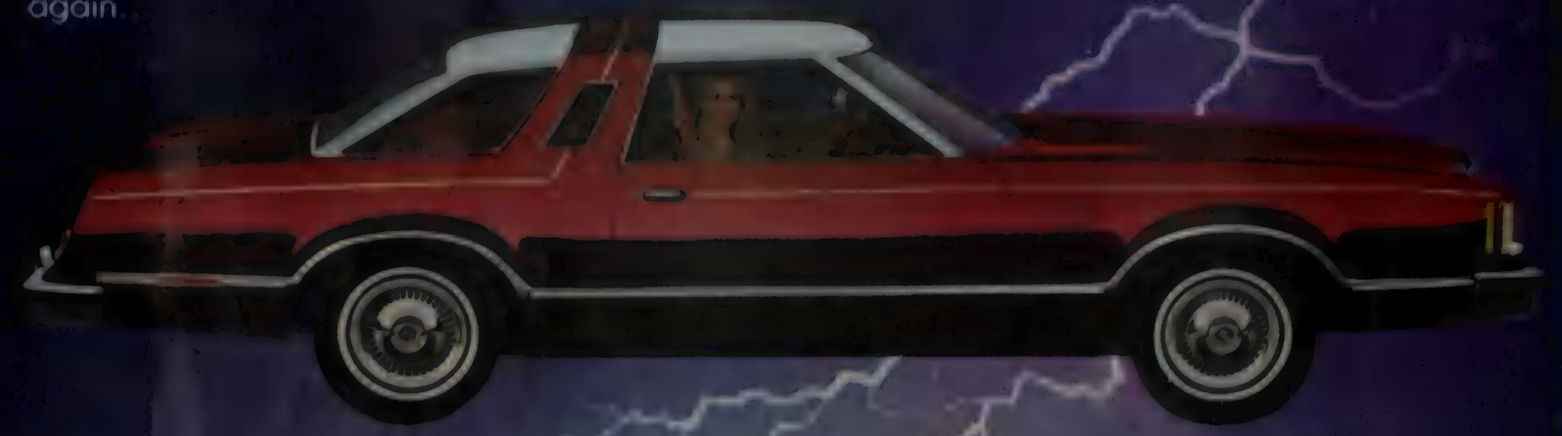

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The Cover Story

Two early morning canoeists have Lake Tahoe almost to themselves. Near Sand Harbor on the lake's Nevada side, the water is especially clear and colorful. A 12-page article on the great mountain lake's pleasures, problems, and plans begin on page 88. Cover photograph by Norman A. Plate

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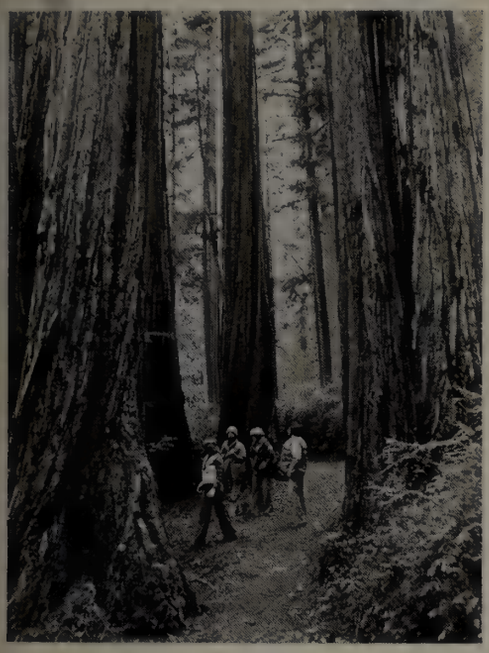

STEVE W. MARLEY

The roaring *of Golden Falls and the stillness of groves of giant redwood exemplify the splendor of Big Basin Redwoods State Park*

Big Basin celebrates a birthday

In 1927, an aged stand of redwoods in an area of the Santa Cruz Mountains called Big Basin was declared the first state park in a system that now comprises over 258 units.

This year the California state parks people are celebrating 50 full years of service and growth. It's an appropriate time to revisit Big Basin Redwoods State Park, about 20 miles west of San Jose and now grown to 12,000 acres.

Winter rains did some damage to park trails (they're clear now) but also brought creeks and streams to their fullest in three years. Waterfalls reduced to trickles by the drought have been flowing strongly—and there are four you can hike to on well-marked paths.

The 3-mile Sequoia Trail to Sempervirens Falls, an easy 2-hour walk, begins at park headquarters (pick up a map there). You stay mostly in the redwoods while climbing to the 15-foot-high falls.

For more spectacular falls and more demanding hiking, try Berry Creek Falls Trail (from Opal Creek Trail near park headquarters) to the Sunset Trail loop. In the 10-mile hike you'll climb (sometimes steeply) through redwood, chaparral, and madrone to reach stunning 50-foot Berry Creek Falls and the cascades of Golden and Silver falls. Bring water and allow a day for this strenuous outing.

You can also join guided nature walks each Saturday and Sunday at 10 and 2.

There are 190 campsites in Big Basin park (for reservations, call Ticketron); day-use fee is $1.50 per car. To reach Big Basin, take State Highway 9 from Los Gatos or Santa Cruz, then veer onto narrow, winding State 236 for 8 miles to the park headquarters.

Visit AIA headquarters . . . and tour architects' offices in San Francisco's former factories

The new headquarters of the American Institute of Architects (AIA) at 790 Market Street (above Grodin's at Market and Stockton streets) shows how a cramped former clothing store can become a bright, interesting office place

Bike paths *are a safe, quiet alternative to busy Tahoe roads*

What's ahead for Lake Tahoe?

Lake Tahoe has drawn *Sunset* editors and photographers back repeatedly over the past two years to research the in-depth report starting on page 88. At left, managing editor Bill Marken tries out one of the lake's new bike paths (see box, page 95) just south of Tahoe City. He also boated, drove, flew, and ate around Tahoe for a thorough overview of what this mountain jewel has become.

Then we invited a diverse group of experts to our Menlo Park, California, headquarters to get a clearer picture of what's happening in and around the lake—and what they think should happen. You'll find their comments on page 98.

We've written about Tahoe before, but concern over threats to the lake made it this month's cover story. □

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DAVID STUBBS

Stylish *new AIA headquarters in San Francisco has catwalks, curved stairs, innovative textiles to view*

individualized with nooks, catwalks, and alcoves and decorated with a varied collection of oil paintings and textile art. You can visit the offices and architectural library any weekday between 10 and 5.

From 10 to 4 on Saturday, June 10, some 18 architectural firms will open their showcase offices for an AIA-sponsored tour. Each of the firms is housed in a converted warehouse, factory, or other unusual space. One was a car painting factory; another now houses Ruth Asawa sculptures. The tour begins at the AIA office (open 10 to 2 this day); maps are given out there, and you drive or walk to the stops. Tickets cost $5.

One mail-order ticket gets you into all Colorado state parks

Now for the first time you can send away by mail for a park pass good through year's end at Colorado's 32 state parks and recreation areas.

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Spinners meet sheepmen at Glenn County wool fair, June 15 to 18

From fleece to finished afghan, wool is the focus of this year's Glenn County Fair in Orland, 100 miles north of Sacramento. Running from June 15 through 18, the fair will feature exhibits, tours, and demonstrations under the theme *National Handcrafted Wool Showcase.*

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Give her a smog-free, pressure-free, problem-free summer of fun, learning and personal development in the beautiful **High Sierras. Private lake.** Heated pool. ***INDIVIDUAL PROGRAMMING*** for girls with many varied interests. A ***special place*** to discover ones own talents. A mature ***qualified staff*** provides ***one counselor*** for every ***four campers.*** Over 35 camp activities. ***FEATURING: ▪ Western & English Riding ▪ Water Skiing ▪ Swimming & Water Ballet ▪ Tennis ▪ Gymnastics • Dramatics ▪ Creative Writing • Outcamping • Arts & Crafts and MUCH MORE.*** *Resident Physician & RN.* 3 or 6 week sessions: 6/25-7/15, 7/16-8/6. $585/3 wks inclusive. ***RUNNING, JOGGING & FAMILY CAMP*** 8/13-19; 8/20-26. For FREE COLOR BROCHURE contact:
Dr. Virginia S. Barnes, Director
1485 Redwood Dr., Los Altos, CA 94022
Phone (415) 967-8612

RAINBOW WILDERNESS CAMP

Co-ed 11 to 18 — June to Sept.

900 acre ranch in the beautiful Bitterroot Mountains. Back packing. Float the rugged Salmon River in Idaho. Horseback Trip. Optional Survival Training. Nature awareness. Mountaineering. Fishing. Our 16th year. $197 per week. Director James Drinville, Rainbow Camp, Box 246S, Darby, Montana 59829. Phone: (406) 821-3407.

NAVAJO TRAILS

••• **Coed 9-11 & 12-18—Rocky Mtn. Ranch Camp**
For 40 youths seeking fun-packed experiences in self-discovery, genuine challenge, learning & fellowship. Complete "in-camp" program of skillbuilding activities PLUS adventuresome "out-camping." Horses & outpost riding, mountaineering, Lake Powell waterskiing, kayaking & river running in Utah's High Rockies & Colorful Canyonlands. VARIED program with mature counselors aimed at cultivating INITIATIVE & SELF-RELIANCE. ACA & WAIC accredited. 13th season $170/wk. DIRECTOR: Don Sampson, Box 886-j, Los Altos, CA 94022 (408) 245-6789.

EL ADOBE RANCHO

550 acre operating Sonoma Mountain cattle ranch and summer camp for boys and girls, 6-17. Horseback riding • horse shows • rodeo • animal care ▪ swimming • canoeing ▪ Honda Trail Rides • fishing ▪ riflery archery ▪ campouts • hiking ▪ dancing ▪ vaulting
Owners, Mr. and Mrs. Reno Pronzini, 3268 Adobe Rd., Dept. S, Petaluma, CA 94952. Phone: 707-763-1011.
Write or call for brochure

Ojai Valley School

SUMMER FUN & STUDY
Program I Oceanography, composition, drama, math, art, study skills, snorkel and scuba diving, riding, packtrips, shop. Coed grades 2-9. Three & six weeks. June 25-Aug. 5. **Program II** Special classes in study skills, tutorial math, writing, SAT preparation, horsemanship, camping, rock climbing. Grades 8-12. June 25-July 28. WAIC & ACA accredited. Equal Opportunity admissions policy. Catalog: specify program. **Box L, El Paseo Rd., Ojai, CA 93023 (805) 646-1423, 646-5593**

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TEENS COED. Cross country touring, backpacking & cycling with a Family of Friends. 1978 Trips: HAWAII, CANADA, HIGH SIERRAS.
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CHOLAME CREEK RANCH

Coed age 8-16 Jun. Jul. Aug.
Near Paso Robles, Calif. Horsemanship, horse science, trail rides, moonlight rides, campouts, wildlife studies, swimming. Enrichment program. Proper supervision. Good food. WAIC/ACA accredited. Brochure. **P.O. Box 8, Cholame, CA 93431. Phone 805-463-2320.**

Flaming Gorge Ranch

Vernal, Utah. Boys-girls 7-17; 2-8 weeks of fun, June 26-Aug. 19. Riding, roping, pack trips, float Gr. River, ski Flaming Gorge, canoeing, baseball, heated pool, tennis, archery, riflery, trap shooting, xlnt food. Dir. Art Reichle, UCLA; 43 yrs. exp; Brochure, 1215 Anchors Way Dr., Sp. 93, Ventura, Ca. 93003.

PACK TRIPS FOR GIRLS

Horse Pack Trips into the rugged South Warner Wilderness of Northern Calif. Expertly guided for girls 12 and over. Each girl has own horse for an unforgettable 2 week trip. Riding, fishing & swimming in cool mountain lakes. **For info., schedules and rates write: Don Collis Pack Trips, Alturas, Calif. 96101.**

Camps

GOLD-ARROW-CAMP

BOYS Ages 7-15, July 1-30 (full month only) Ages 7-12, Aug. 1-30 (full month or 2 wks)
GIRLS Ages 7-15, Aug. 1-30 (full month or two weeks)

Sierra Nat'l Forest—Central California
Established 1933 under special use permit
7000 ft. alt. on beautiful 6-mile Huntington Lake
- **Water Skiing**—5 speedboats, 6 top instructors **Sailing**—45 sailboats—Sunfish, Mini-Fish, Hobie 10's, Hobie 14 Catamarans, Lido 14's, Flippers. Finest sailing lake in the West. 6 certified instructors with 5 speedboats
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- **Archery**—Target Range & Roving Course
- **Back Packing** (Kelty backpacks) ▪ **Fishing**
- **Trips**—Magnificent high country outposts
- **Crafts**—5 potters wheels • **Skits** • **Nature**
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- **Staff**, equipment & location unexcelled

Write or call for free brochure or appt. to see our half-hour color movie in your home, no obligation
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Box 1076-S, Marina del Rey, CA 90291
Ph. (213) 822-0131 or 390-8637
ACA ▪ WAIC Accredited
Please include Telephone Number with Inquiry

CALAMIGOS ADVENTURES

HAWAII
Boys & Girls 11–15
On the Island of Oahu, surfing, sailing, swimming, sightseeing, shopping, snorkeling and camping.
CANADA - PACIFIC NORTHWEST
Vancouver, Victoria by Ferry; hiking, sailing, and horseback riding on Lopez Island; plus camping and exploring in Banff, Jasper, and Yoho National Parks.
MALIBU, CALIF: CALAMIGOS STAR C RANCH
Boys & Girls 8–15 • 2 to 8 week programs ▪ est. 1947. Horseback Riding–Water Sports–& lots more!
Calamigos, Rt. 4 Box 14AS
Malibu, CA 90265
Call: 213-889-9724 / 873-4490
ACA/WAIC ACCREDITED!

Carmel Valley Junior Tennis Camp

Boys and Girls Age 9–17
9th Season — 1977 a sellout. 3 mi. from lovely Carmel Beach. Modern facilities, 2 pools, 3 week sessions: June 25–July 15, July 16–August 5, August 6–August 26. Brochure available. Write/call: 27300 Rancho San Carlos Rd., Carmel, Calif. 93923 — (408) 624-7117.

CAMP PACIFIC for boys 7–17. On the ocean 35 miles North of San Diego. Founded 1943. Surfing, water skiing, sailing, canoeing, Olympic pool. Varied land sports. Also academic courses. Enrollment 6 or 3 weeks. June 25-Aug. 5. Accredited. Catalog: **Camp Pacific, Box SU, Carlsbad, CA 92008. Phone 714-729-2385.**

TRADITION IN SAIL. Coed 13-18, Roatán Bay Islands. Sailing, Seamanship, Scuba, snorkel, crafts, marine biology, tide pools, Sp. Galleon diving, Mayan ruins, Red Cross classes. **TRADITION IN SAIL,** Box 6098, San Diego, CA 92106.

Horse Camp For Teens 12-17

Riding and Horsemanship in fields and forests of beautiful 600-acre Mendocino County horse ranch. Live outdoors in the redwoods. Picture brochure. **ROYAL REDWOOD RANCH, Joe and Claudia Ayres, P.O. Box 112K, Comptche, CA 95427.**

Camps

We've probably taken off more weight than any other weight loss camps in the world!

Camps for OVERWEIGHT BOYS & GIRLS 10-21 yrs
Collegiate Group 17-21

Fun packed camps • Choice of magnificent locations.* Lose weight, learn to keep it off • Have fun, make friends • Tennis, horseback riding (at no extra charge), trips, golf, most land/water sports, mini-bikes • Exciting evening programs. Registered RN.

$1290 four wks./$1790 seven wks. NO EXTRA CHARGES

The only camps where ▪ includes 8 wk. follow up program ▪ Weight Watchers classes in your community.

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***Camps in Pocono Mts, Pa; No. Carolina, Wisc, Calif.**
Operated under license from Weight Watchers International Inc Manhasset N.Y. 11030 Trademark owner

Walton's GRIZZLY LODGE BOYS' CAMP

- **51st Season**
- **Boys 7-14**

HIGH SIERRA north of Lake Tahoe, Portola, CA
2 or 3 week sessions or longer—June 18-Aug. 26

Individual Programming geared to the interest and ability of each boy. **Horseback** riding, **Bicycling**, exploring the trails of beautiful Plumas Nat'l Forest. Great adventures and excellent fishing on our campouts and **Pack Trips** to nearby Sierra lakes & streams. Riflery, Archery. **Crafts**—Ceramics, Photography, Fly-tying, Indian Lore. Water sports—**Sailing, Water Skiing,** Canoeing, Swimming and Trout Fishing on our **14 ACRE LAKE.** For **Sports enthusiasts**—Football, Soccer, Track, Wrestling, Gymnastics, **Motocross, Skateboarding.** Campfire programs. Mature Counselors. See our movie, "A Day at Grizzly Lodge." Charter bus from Reno Airport (new low air rates, SF, LA, SD). Brochure: **Joe Stein, Dir., Dept. S, Box 965, Campbell, CA 95008. (408) 243-1867.**

OAK CREEK RANCH CAMP in Arizona

A real ranch camp on beautiful Oak Creek in the Verde Valley. Co-ed, ages 7-15. Field trips; horses; fishing on campus; pack trips; Grand Canyon; swimming; ceramics; leather work; canoeing; archery; riflery; temperate climate. **ACA accredited.** Campers enjoy excellent facilities of Oak Creek Ranch School. **Optional academic work for credit, or enrichment. ▪ 12-17.** Catalogue. **David S. Wick, Dir., Box NN, W. Sedona, Ariz. 86340. Tel (602) 634-4089**

YOUR VERY OWN HORSE
Choose from 150 horses waiting for you on our 6,000 acre Montana Ranch. An unforgettable summer riding, camping, swimming. English and Western lessons for beginners through advanced
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BOX 251 DEPT. B SULA, MT 59871
FREE COLOR BROCHURE

Sunset School & Camp Directory

Camps

LOSE WEIGHT

SLIM'N TRIM DOWN at a Multi-Million Dollar COLLEGE CAMPUS

Enjoy a fun-filled summer of WEIGHT LOSS, RECREATION, HEALTH and BEAUTY at
WHITTIER COLLEGE
Whittier Calif
FT. LEWIS COLLEGE
Durango, Colorado
Other camps N.Y., Pa., Mich., N.C.
Send for brochure - Include age and phone number

TEEN GIRLS 13-17
YOUNG LADIES 18-29 Separate Program

Camp Camelot
Cal. (916) 933-0103
Cal. (213) 698-0216
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REDUCE and SHAPE UP ...lose 20 to 45 pounds

Directors: Thelma & Joe Hurwitz
Morton B. Glenn, M.D. - Nutrition Consultant
2465N Starmount Way, El Dorado Hills, Calif. 95630
ALSO BOYS CAMP IN PENNA.

CLOVERLEAF RANCH SUMMER CAMP

Western Ranch Camp, For Boys & Girls 7-15
"Buzzard's Gulch" Ghost Town, 180 acre operating ranch. Emphasis on Horseback riding and horse shows. Swimming (lake and heated pool), riflery, fishing, boating, campouts, and etc. 31st year.
Ron and Ginger DeGrange
3890-C Old Redwood Highway,
CLOVERLEAF RANCH,
Santa Rosa, California 95401
(707) 545-5906

Saint Mary's College
SUMMER ATHLETIC CAMPS
Boys and Girls; ages 8-17
8th Consecutive Year June 18-July 30
No. 1 Resident Camp in No. Calif.
Information: Dr. Don J. McKillip
Box RC, Saint Mary's College, CA 94575

St. Mary's Residence School
Summer School Summer Camp
June 25–July 28
Grades 4 through 8 — Small Classes
Conducted by the Christian Brothers
Now in our 108th year of Christian education
Write or Call
BROTHER DIRECTOR, F.S.C.
P.O. Box 510, Napa, California 94558
Telephone (707) 255-4851

SIS-Q RANCH Tipi living at small, relaxed coed camp, ages 7-14. Flexible program includes all activities and horses. Special Wilderness & Survival Program. ACA Accredited. 2-4 weeks. Rt. 1 Box 62B1, Fort Jones, CA 96032.

PALMER SCHOOL DAY CAMP
2740 Jones Rd., Walnut Creek, Ca. 94596
Co-ed Day Camp — Ages 4–11. ACA Member. Telephone 415-934-4888. Swimming, Sports, Nature Studies. Overnight Sleep Outs, Crafts.

FAMILY CAMP near Yosemite, come bring the family for a week or (less) of fun with water skiing, horseback riding, tennis, swimming, canoeing, sailing at Skylake Yosemite Camp on Bass Lake. Fee: 1 wk $95.00 child $75.00 meals incl. Brochure: Box 25-F, Wishon, CA 93669 (209) 642-3720.

spinning of wool and different breeds of sheep on a 1-hour guided tour of the arts and crafts building at the fairgrounds; tours start Friday at 1 and 3, Saturday at 11:30 and 2, Sunday at 1:30.

There'll also be a tapestry exhibit and slide show Thursday through Saturday at 1, and an all-day spinning demonstration on Saturday.

Fair hours are 9 to 9 daily; admission is $1 for adults, free for children under 12. To reach the fairgrounds from Interstate Highway 5, take the Orland exit (State Highway 32), turn right (east) on South Street, and go 1 mile.

Music of the wind . . . at San Francisco's Exploratorium

When wind plucks the stainless steel strings, cymbal-shaped speakers release a low, quivering wail. It's the song of the Aeolian harp, the first result of a summer artist-in-residence program at San Francisco's free science museum, the Exploratorium.

Aeolus, Greek god of the winds, would have loved it. The Exploratorium's Aeolian harp works when three concave airfoils on the roof, wired like a harp, transmit air vibrations to steel wires that in turn resonate steel speakers near the back entrance. As the breezes pick up, the speakers give out an almost electronic-sounding music.

Two more Exploratorium exhibits are nearing completion this month: stained glass, and a sculpture showing how a vortex works. There are also new scientific displays, hands-on exhibits, and learning games to play. The museum is at 3601 Lyon Street near Marina Boulevard (at the Palace of Fine Arts). Hours are 1 to 5 Wednesday through Sunday, plus 7 to 9:30 Wednesday evenings. □

LARRY BULLIS

Space-age Aeolian harp *of steel makes unusual wind-music at the Exploratorium in San Francisco*

For travel planners, a June check list

Canadian Rockies by helicopter. Mid-June through mid-September there are departures several times a week from Calgary for nine-day visits to the Canadian Rockies. You'll travel by coach to Banff and Jasper National Park, then take a helicopter to a mountain lodge in the Cariboo Range for a series of lifts and drops with a guide. Your tour ends with a visit to Lake Louise. The $799 cost includes all meals, lodging, and transportation from Calgary. For details, see a travel agent or write to Tauck Tours, Inc., 11 Wilton Rd., Westport, Conn. 06880.

French country vacations. A 320-page paperback book, *French Farm and Village Holiday Guide,* can help you plan a low-cost week's stay in small French villages or country settings. It gives descriptions and pictures of over 1,000 cottages and houses with information on nearby activities, seasonal prices, and instructions on reservations. Order through your local bookstore or send $4.95 to Unipub, Box 433, Murray Hill Station, N.Y. 10016.

Victorian tour. The Victorian Society in America is sponsoring a nine-day tour starting in San Francisco September 19. You will explore the architectural treasures of the San Francisco Bay Area for several days, continue through the wine country and up the coast to Mendocino, proceed to Eureka for an inside look at the Carson Mansion, and visit Jacksonville, Oregon, and other historic towns. The $750 cost includes transportation, lodging, and most meals. Write to The Victorian Society in America, The Athenaeum, East Washington Square, Philadelphia, Pa. 19106, for details.

Ocean expeditions. You can join sailing voyages to many corners of the globe organized by the Oceanic Society. Destinations include the south coast of England and the Channel Islands (8 days for $300); the canals of France by motor yacht (7 days for $350); 15 days in the Galapagos for $985; 14 days in the Aegean for $910; a 6-day sailing expedition in the Society Islands for $390. Write to Oceanic Expeditions, 240 Fort Mason, San Francisco 94123, for details.

What a travel agent can do for you: Provide information on tours; reserve space on air, rail, bus, and steamship lines; make hotel, ranch, and resort reservations; take care of trip planning, including side trips and special events. Travel agencies do not charge for arranging transportation or package tours, but do charge for "custom" tour service.

Sunset School & Camp Directory

Camps

Resident RANCH & Sports CAMP

BOYS & GIRLS 7–15 **SUMMER**

near Paso Robles, Calif.

Our 10,000 acre working horse ranch includes 3 lodges, 25 modern cabins, miles of trails, 4 stables, 2 tennis courts, pool, animal farm, horses & cattle, a 350' x 125' arena with loading chute, stalls & a judges' stand. Horseback Riding - Archery - Horseshoes - Hayrides - Rodeos - Great Meals - Transportation - Water Skiing - Pony-Cart Rides - Hiking - Tennis - Baseball/Soccer - Swimming - Boating - Fishing - Campfires - Ping Pong.

Info: WESTERN TRAILS, 4744 Balboa Ave., Encino, CA 91316 (213) 789-9642 or 473-7154

San Francisco Boys Chorus

Summer Music Camp for Boys, Ages 8-12

Professional Choral Music Training: Theory, Sight Singing. Full Camp Program: Swimming, Boating, Hikes, etc. Available to groups and individuals. Auditions required. In Russian River area of Calif. August 7-31. Contact: *San Francisco Boys Chorus, 132 Church St., San Francisco, CA 94114 (415) 431-5450.*

ODYSSEY ACADEMIC CAMP

▪ Specialists in **READING IMPROVEMENT:** Speed Reading, Vocabulary, Comprehension, Learning Disabilities — Diagnosis/Treatment • Full Camp Program: Swimming, Sports, Music, Trips • Santa Cruz Mtns., Ca., Redwoods–Ocean–Beaches • Credentialed Staff • Boys & Girls Ages 7–13 ▪ CONTACT: **Don Smith, ODYSSEY, 5007 Concord Blvd. Concord, CA 94521 (415) 935-5311**

RANCHO OSO

Ranch living experience for boys-girls 8–14. Riding, swimming, gymnastics, nature lore, crafts, animal care. Five 2-week sessions June 25–Sept. 2. Family Camp, Sept. 4–10. ACA & WAIC accred. Brochure/reservations write:

Pat & Suzy Faverty; Rancho Oso Summer Camp, Star Rte.-S, Santa Barbara, CA 93105

Western Association of Independent Camps

A Directory listing 60 resident, day and travel camps with more than 1000 seasons of combined experience. Camp programs feature a wide variety of activities with fun, adventure, creativity & challenge. **FREE DIRECTORY—WRITE/PHONE** WAIC, INC., Dept. of Rec/CA St. U., 1250 Bellflower Blvd., Rm. 216, Long Beach, CA 90840. (213) 498-2654 — (408) 996-2129.

EMANDAL—A FARM ON A RIVER

A Summer Camp for 25 Children, Ages 8-14, at our Family Mountain-Ranch Home.

Tamara & Clive Adams 16500 Hearst Rd.
Willits, Calif. 95490 707 - 459-5439

YMCA HAWAIIAN SURF

Island Camping Caravan—Co-Ed 13-17 year olds—all water sports, backpacking, tennis, horseback riding on Garden Isle of KAUAI. 4 two-week sessions, July-Aug. '78. **Bonnie Morgan, Campus Y, San Diego State University, San Diego, CA 92182. (714) 286-6805.**

Index of Directories

School and Camp Directory is the first of five Directories which appear regularly in each issue of SUNSET Magazine. The other four Directories are:

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beginning page 10
WESTERN GROCERY DIRECTORY
beginning page 154
GARDEN CENTER
beginning page 231
SHOPPING CENTER
beginning page 235

Camps

Junior Tennis Camps

TENNIS SQUAW VALLEY USA
at beautiful Lake Tahoe
THE COLORADO TENNIS CAMP
at the University of Colorado in Boulder

Boys & Girls 9-17 ▪ June-Aug.
Also hiking, horseback riding, river rafting
Clip ad or write for a brochure:
Charles Hoeveler
U.S. SPORTS DEVELOPMENT Dept. S
1 Embarcadero Center ▪ Suite 2514
San Francisco, California 94111 ▪ 415 ▪ 781-8162

CASTILLEJA summer camp

Six Weeks of Fun

For girls Ages 7–13 Boarding and Day. We offer two 3-week sessions starting July 10th and ending August 18th of sewing, cooking, drama, tennis, swimming, dancing, art, riding, gymnastics, and volleyball.

CASTILLEJA SUMMER CAMP
1310 Bryant St. Phone 415/322-2131
Palo Alto, Calif. 94301
Director: Mr. James G. Henderson
Headmaster: Mr. Donald R. Westmoreland
Brochure available upon request

CATALINA ISLAND BOYS CAMP

"FOR YOUNGSTERS OF PARENTS WHO CARE"

CATALINA ISLAND GIRLS CAMP

51st Year

Private Coves—Located on the Lee Side of BEAUTIFUL CATALINA ISLAND
Jos. C. Robinson, Director - Boys
Geo. Taylor, Director - Girls
Sailing-Surfing-Swimming-Tennis
Baseball-Boating-Crafts-Riflery and Fun!
Three Sessions, July 6, Aug. 2, Aug. 15
10784-B Santa Monica Bl., L.A. 90025 (213) 474-2571
Write for information or free brochure.

ECHO MOUNTAIN RANCH

A Joyous CHRISTIAN Camp
52 Boys & Girls 8 to 15 years. Learning, Laughter, Lovin' care. Swimming taught, Western riding, also barn theatre, crazy games, archery; wood shop, ceramics, farm animals, exploring.

Please PHONE: 408-354-7703, or WRITE: Mrs. "B", **19103 Bear Creek Rd., Los Gatos, CA 95030**

CO-ED SOCCER & GYMNASTIC CAMP at Portola.
Walton's GRIZZLY LODGE Calif., No. of Lake Tahoe. Aug. 13-26; **Boys & Girls**—7-12. Choice of **Soccer** or **Gymnastic** coaching + many camp activities—**riding, sailing, water ski, fishing,** etc. Broch.: Joe Stein, Dept. SG, Box 965, Campbell, CA 95008. Tel: 408-243-1867

Camps

LOSE WEIGHT

CAMP MURRIETA for GIRLS 8 to 21* will help your daughter lose weight and inches this summer (typical girl **20-45 lbs.**) while she learns lifelong weight control skills, makes new friends, enjoys over **30 activities** in sports, poise, make-up & fashion ... medically supervised ... plus an effective home follow-up program. CAMP MURRIETA is successful for hundreds of girls each summer. **Help your daughter become the girl she wants to be.** Write for brochure today, enrollment is limited.

FREE BROCHURE!
Send Name, Address & Phone:
CAMP MURRIETA
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8245 Ronson Road
San Diego, CA 92111
(714) 279-7800
Calif. Residents Toll Free:
(800) 542-6005
Beautiful camps located in San Diego, Washington State, Wisconsin, Texas & Ohio.
*Special programs for girls 17-21.
ACA ACCREDITED CAMP
7th YEAR

EARTH CAMP ONE

8th year

"Survival of a different sort . . ." — *Newsweek*
". . . run on the principles of John Muir." — *National Geographic*

Mt. Shasta Wilderness. Coed 8-18. Fully accredited. Full range of activities. **Natural Foods Kitchen.** Private spring-fed lake. Special programs in backpacking, mountaineering, music, photography and river floats. Camper/staff ratio 3:1. **(916) 337-6535. Info: E. C. O., Box S, Montgomery Cr., CA 96065**

BOB MATHIAS SIERRA GIRLS CAMP

One of America's Fine Camps—Ages 8-16. Indiv. prog. Mature staff, 1-4 ratio. Water Sports, Western Riding, Music, Guitar, Drama, Dance, Arts, Crafts, Gymnastics, Trampoline, Archery, Hiking, Wilderness Living, Campfires & Skits. Spec. Act. with Boys Camp. MD & RN in res.

BOB MATHIAS SIERRA BOYS CAMP

Our Campers Return Season After Season.—Ages 8-16. Indiv. Prog. Mature Staff, 1-4 ratio. Indiv. & Team Sports, Water Sports, Archery, Riflery, Crafts, Trampoline, Track & Field, Baseball, Basketball, Western Riding, Photography, Wt. Train., Backpacking & Wilderness Liv. MD,RN in res.

Phil Slaton, Snowline, Kings Canyon Nat. Park, Dunlap, CA 93621 (209) 336-2514; LA (213) 889-5980; Orange Co. (714) 772-3121.

Sunset School & Camp Directory

Camps

CAMP BEAVERBROOK

BOYS AND GIRLS, 7 to 17
On Cobb Mtn., Lake Co., Calif.

Fun of Farm, Forest, Mountain, Stream—where Pomo Indians camped. Sleep in teepee tents by stream—home of beaver, turtles, frogs, fish; **Western, English riding, tennis,** NRA riflery, archery; farm chores, building, drama, music, crafts, ecology, nature; swimming, fishing, sailing and canoeing in camp pond, stream, or lake; **Water skiing,** pack & nature trips available. Trans. TO camp incl. Spec. programs, ages 7-9, 10-11, 12-14. Leadership training program (CILT) ages 15-17.

Write Ron and Lynn Garrison, Box 985S, Auburn, CA 95603; Phone (916) 885-8856. Bay Area Rep., R. W. Brown (415) 254-5960.

K ARROW RANCH

6,000 ACRES OPERATING RANCH
Co-ed, Ages 8–17 June 18–Aug. 26th
2 week sessions or longer

Emphasis on **Western Riding** (daily), **Waterskiing** (our own private beach), **Tennis, Jr. Rodeo Events,** roundups, hayrides, sailing, swimming, canoeing, fishing, overnight campouts, campfires, riflery, crafts, field trips, sports and more. Mature staff. Free brochure. **Write or Phone**

John & JoAnn Terry, Box 157P
Jamestown, Ca. 95327
(209) 984-3925 — (209) 847-5269

SNOW MOUNTAIN CAMP

Coed 7-16. A ranch camp where the emphasis is on the individual. Guidance & supervision from mature & sensitive staff. Limited enrollment. Flexible, noncompetitive program featuring a complete **Equestrian program, NWSA Waterskiing instruction, High Sierra Backpacking.** Swimming, Archery, Arts, Crafts, and much more. Two & three week sessions begin June 25. Brochure: Ray & Vicki Kalman, P.O. Box 476, Nevada City, Ca. 95959 (916) 265-4439.

Skylake Ranch Camp

80 BOYS AND GIRLS 7–14 YRS. • "The camp that kids come back to." Thirteenth summer adventure. Secluded mountain ranch near Yosemite. Complete camp program, private lake, daily horseback, sports, tennis, baby farm animals, swim, nature lore, trips Yosemite. $480—3 wks. Skilled educator leadership.

J. Wendell Howe CCD (35th season), **Box 308A, Menlo Park, CA 94025** (415) 322-8001

TUMBLING McD RANCH

For Boys and Girls 8 to 16

A Horse Ranch in the beautiful country of the Redwood Empire. Specializing in horsemanship for the beginners and advanced. Trail rides, pack trips, and horse shows. Lots of riding. Proper supervision. Limited Capacity. For Folder or Reservations write or call. 32nd Season

Arch and Alyce McDougald
Box P, Philo, Calif. 95466, 707-895-3455

NEW PIONEER RANCH

Boys & Girls 6-17
July 1—August 28

Fee $280/2 wk. Individ. program. Pioneer family living. Riding, swimming, farm animals, crafts, fishing, canoeing, archery, fresh air, private lake & creeks. Brochure. **Mr. & Mrs. Robert S. Hooper, Box 969B, Hayfork, CA 96041—(916) 628-5196**

GIVE YOUR CHILD A WONDERFUL SUMMER on our private island in Washington State's sunny San Juans. Small group; boys, girls 10-16. Teepees, pool, most land, water sports. Outstanding French, Amer. staff; sup. food. facilities. Fully accred. **Canoe Island Camps, Inc.,** Eastsound, WA 98245. (206) 376-4393.

Camps

SHADY LAWN FARM

54th Year June 25–Sept. 2

RIDING CAMP FOR GIRLS 7-15

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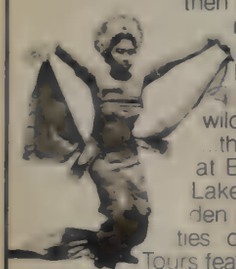

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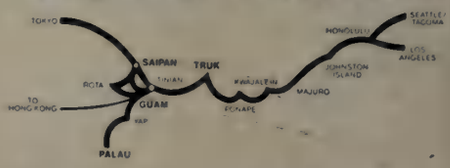

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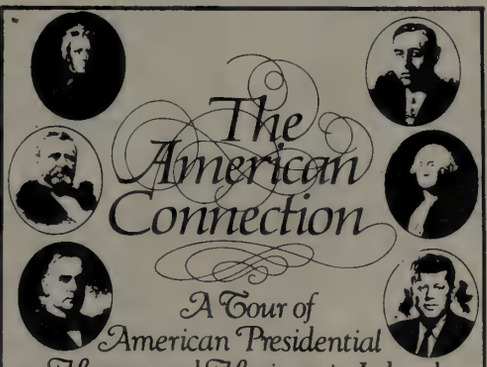

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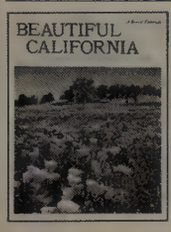

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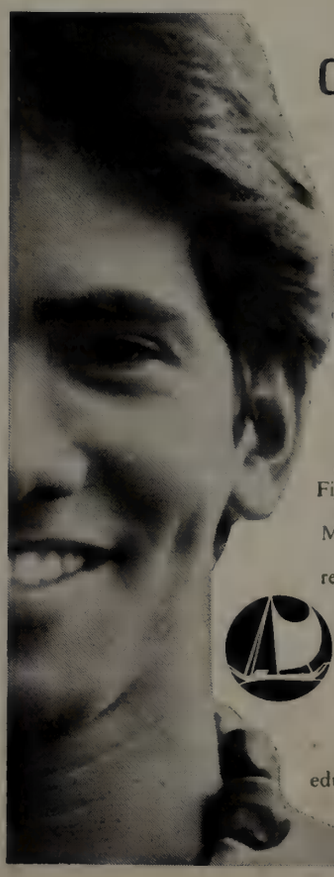

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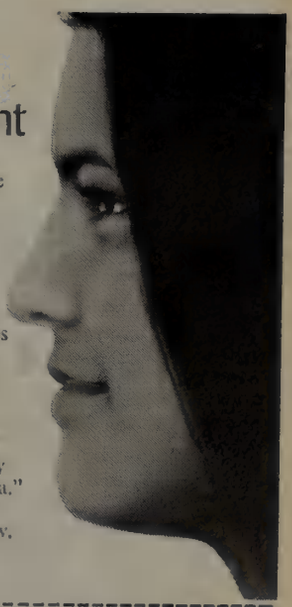

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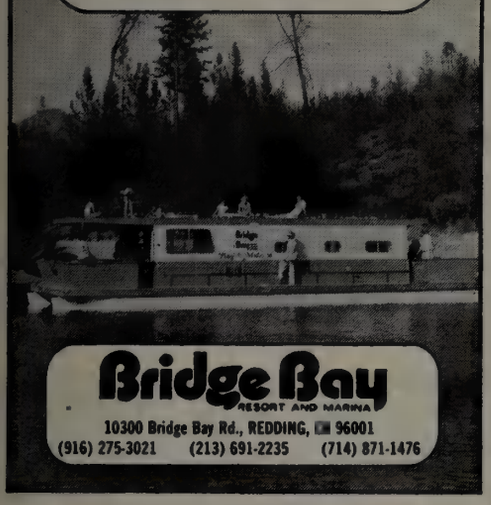

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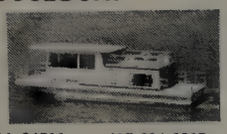

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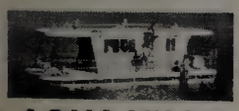

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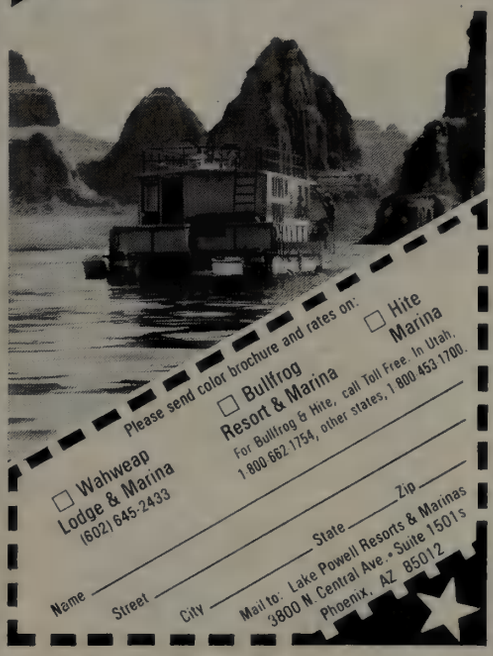

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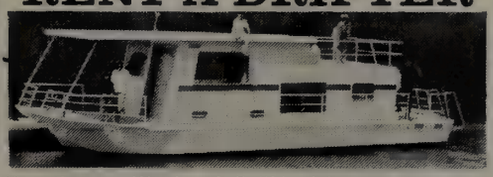

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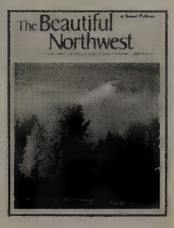

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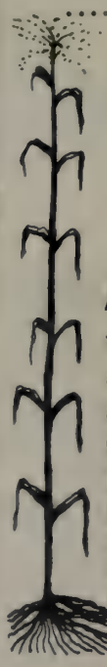

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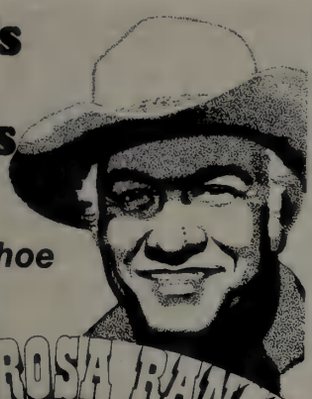

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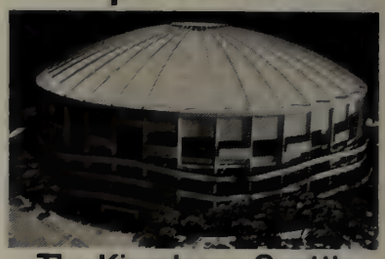

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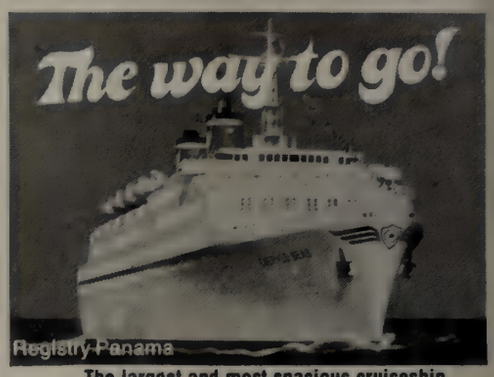

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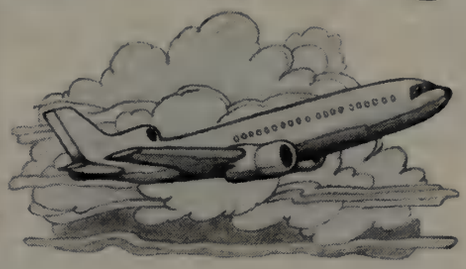

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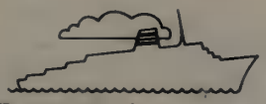

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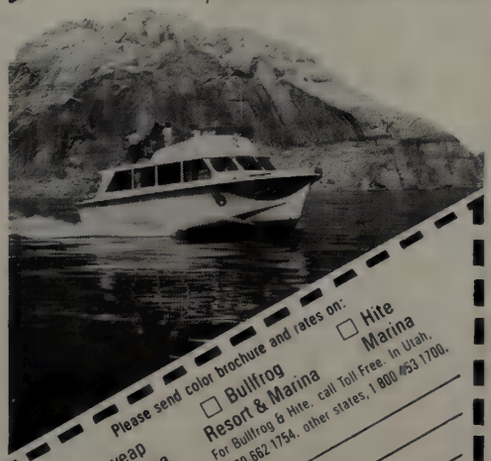

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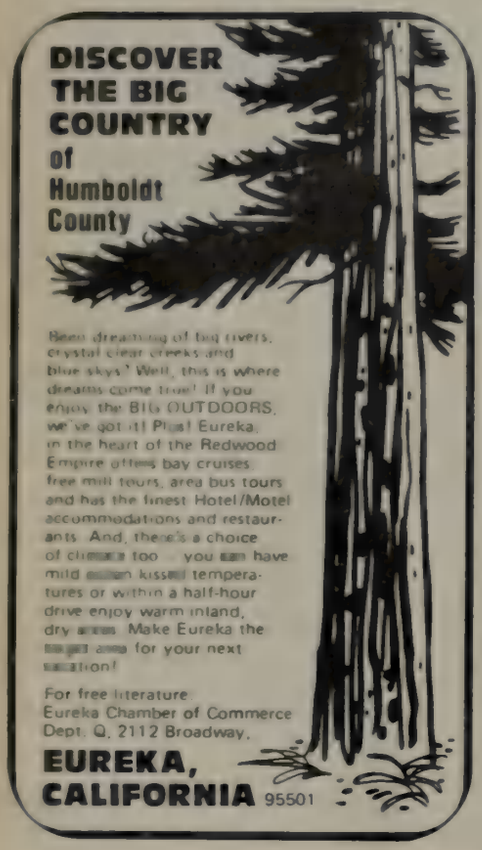

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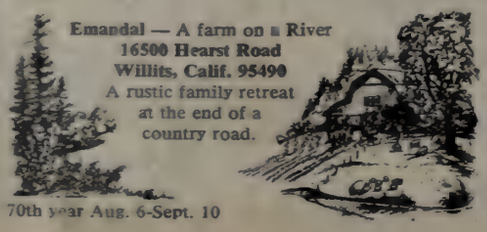

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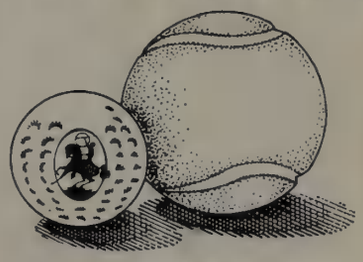

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A waving sea *of lupines—just one of the brilliant flower fields you can visit during Lompoc Festival*

Lompoc festival starts June 22

Many farm towns hold festivals celebrating their major crop, but Lompoc is more fortunate than most. One of its major crops is flowers, so each June the Santa Barbara County community throws a party in honor of the sweet bright fields that surround it. The 26th Annual Lompoc Valley Flower Festival runs from June 22 through June 2[illegible] (major events on Saturday and Sunday) and visiting it is like visiting a county fair set in the largest garden on earth.

Highlight is the parade that begins at 10 A.M. Saturday. Down H and Ocean streets march the usual charming assortment of bands, horsemen, and girls' drill teams. The dozen or so floats, though, are something special: Completely covered with local flowers, they could be entered in any big parade in the country with confidence.

You can get a close-up look at the floats at the parade's terminus, Ryon Park, where you can also take in an art show and listen to an outdoor band concert. To see flower arranging on a smaller scale, visit Veterans' Memorial Hall at South H and Locust streets, where th[illegible]

MARTHA WOODWARD

Spectacular floats *of flowers glide through town in festival's parade; afterwards you can inspect floral handiwork close-up*

Alpha Club Flower Show displays enough blooms for 20 florists. Hours are 1 to 9 P.M. Saturday, 10 to 6 Sunday.

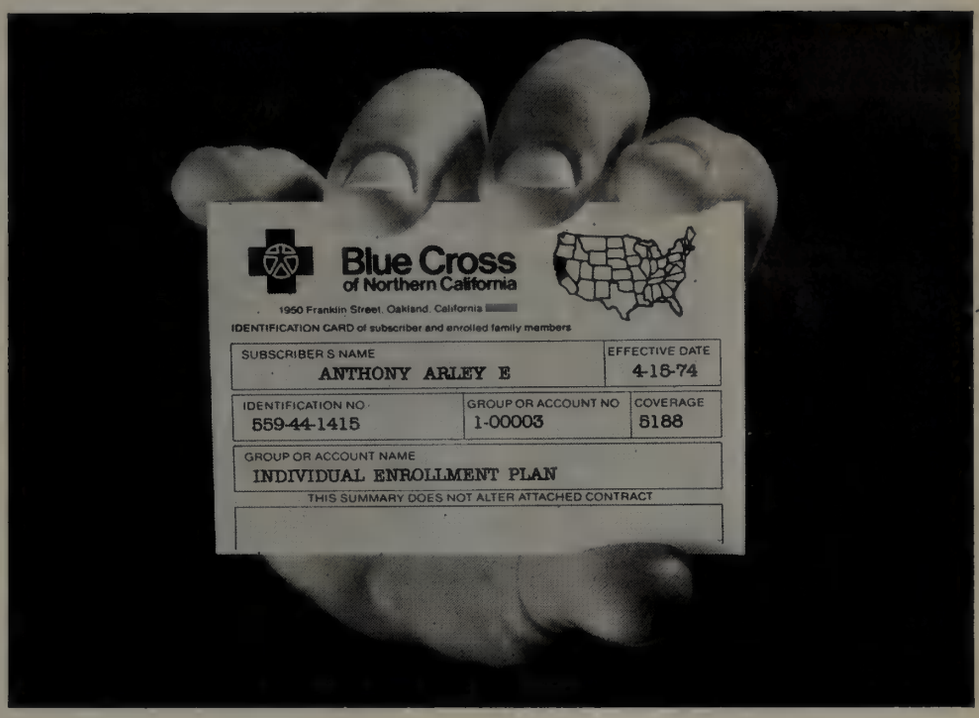
A few blocks away, the Lompoc Museum at 200 South H Street has set up a display garden and an exhibition on the valley's flower and seed industry, which began around 1907 when a local farmer was convinced to plant sweet peas in one of his bean fields. Hours are 1 to 4 P.M. Saturday, 10 to 4 Sunday.

For a free tour of the fields themselves, and nearby Vandenburg Air Force Base, you can catch a bus at Ryon Park every hour from 1 P.M. to dusk. Or pick up a map of the fields at one of the information booths at the east end of Ocean Avenue, or in the morning at the Lompoc Valley Chamber of Commerce, 119 E. Cypress Avenue.

Either way, the 2,400 acres of sweet peas, marigolds, nasturtiums, and other flowers are spectacular. Close-up, the fields seem to stretch to infinity; from a distance, they look like a patchwork quilt stitched together by a giant.

Lompoc lies about 50 miles northwest of Santa Barbara. To get there, take U.S. Highway 101 to State 246 and drive west about 18 miles. The festival is popular; to stay over, make reservations soon. If Lompoc is booked up, try Buellton (16 miles away), Solvang (19), or Santa Maria (20). □

Traveler's aid



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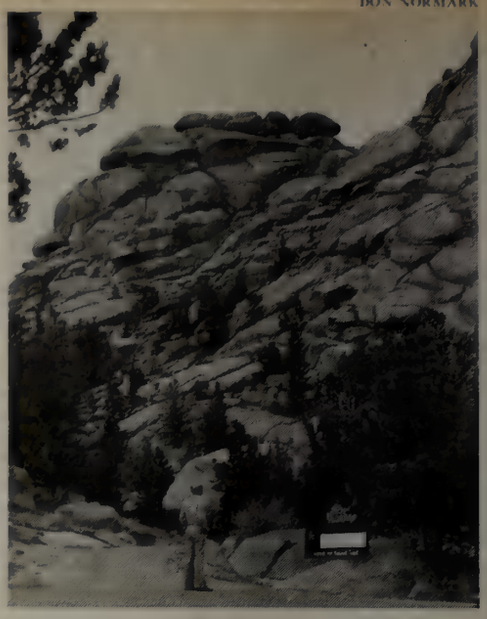
The Keauhou Beach Hotel on the Kona coast of the Big Island of Hawaii. Acres of gardens steeped in ancient Hawaiian history. Luaus. Tennis. Championship golf. Swimming beach. Hawaii's greatest weather. Rates for two from just $39 a day. One of 10 fine Island Holidays resorts, including Coco Palms Resort (Kauai) and the Royal Lahaina (Maui). See your travel agent or call Island Holidays Resorts in Los Angeles (213) 930-1400, San Francisco (415) 772-3000 or Seattle (206) 623-4265.

KEAUHOU BEACH HOTEL

ISLAND HOLIDAYS RESORTS, AN Amfac COMPANY

DON NORMARK



Stacks *of granite boulders rise 500 feet from Vedauwoo floor*

A geology lesson west of Cheyenne

Vedauwoo Rocks offer a quick but awesome lesson in geology to travelers on Interstate 80 between Laramie and Cheyenne, Wyoming.

The jumbled mass of rounded boulders, rising as high as 500 feet, dates back some 60 million years. During the formation of the Rocky Mountains, the original coarse granite broke up into blocks that have since weathered into the unusual shapes you see today.

On Interstate 80 about 16 miles southeast of Laramie, a marked exit leads off the highway and 1.2 miles down a dirt road to Vedauwoo, in Medicine Bow National Forest. You'll find picnic sites and a few overnight camping spots. Wander the trails to enjoy the rock formations and native plants. And look for climbers challenging the sheer rock faces. □

Contorted root *of ponderosa pine lies exposed in rocky crevice*

GM

NEW CHEVY MONZA.

THE ONLY ECONOMY CAR NAMED AFTER A RACE TRACK.

'78 Chevy Monza 2+2 Hatchback Coupe.

Sporty. Monza, Italy. One of the fastest race-tracks in the world. And like its namesake, Chevy Monza is a thrill to drive. To take out on the open road and enjoy. To take into a corner and come out impressed.

Well equipped. Every Monza sports such standard equipment as bucket seats, white stripe tires, bumper rub strips, carpeting, and more. Things that are likely to cost extra on some other cars.

Low priced. With all kinds of standard equipment and exciting moves, you might think that Monza is going to be priced way over your head. Well, think again, because a new Chevy Monza 2+2 Hatchback Coupe isn't an expensive car, it's just expensive looking. Probably well within your budget. What's more, Monza is quite economical to operate. It has EPA mileage ratings that would impress even the most frugal driver.

EPA ESTIMATES: 31 MPG HWY/21 MPG CITY. With standard 151 CID engine and 4-Speed manual transmission. Your mileage will vary depending on how and where you drive, the condition of your car and available equipment. Monza is equipped with GM-built engines produced by various divisions. See your dealer for details.

Chevrolet

SEE WHAT'S NEW TODAY IN A CHEVROLET.

GREGG MANCUSO

Funerary gloves *of dazzling gold command a visitor's attention; they were worked by Peruvian artisans of the Chimu period*

This collar, *richly and intricately beaded, dates back to the Chimu period*

Peru's golden treasures are coming to San Francisco June 15 for three months

Tiny visitor's face *is just discernible behind delicately painted pottery*

"Sweat of the sun" is what the ancient Peruvians called the metal they held sacred: gold. For more than 20 centuries they fashioned it with great sophistication into objects both ceremonial and utilitarian, culminating in the fabulous golden temples of the Incas.

Most of these great treasures were lost when Pizarro conquered Peru in 1532, stripped the Incas of their gold as ransom for their ruler Atahualpa, then murdered him and melted the metal down for shipment to Spain.

Fortunately, some extraordinary objects eluded the holds of the galleons. A striking collection on loan from the Museo Oro del Peru in Lima is now touring the United States for the first time; it makes its only West Coast appearance June 15 through September 17 at the California Academy of Sciences in San Francisco.

The earliest artifacts in the 222-piece show, which represents five Peruvian cultures, are from the Vicus culture around 200 B.C. Some of the finest gold work is from the Moche and Chimu cultures. The Moche, who perfected alloying and knew the lost-wax method of casting, produced finely crafted jewelry such as the ear spools, nose ornaments and necklaces on display. Some of the Nazca funerary masks are fanciful yet simple. Chimu funerary art is presented in an exquisite example: two gloves of embossed gold, with a silver nail for each finger.

In addition to ceremonial gold, you'll see pre-Columbian pottery and artifacts from everyday life. And in the Watti Hall of Man, the Academy will display its own collection of Peruvian textiles with looms set up to demonstrate ancient techniques of weaving.

Crowds are expected for this show. One way to avoid them is to take advantage of summer hours at the Academy and visit in the evening: It's open from 1 A.M. to 9 P.M. June 24 through September 4, from 10 to 5 otherwise. Groups may buy advance tickets, which permit entry through the members' door. For an order form, write to California Academy of Sciences, Golden Gate Park, San Francisco 94118.

Regular admission to the academy is 50 cents for adults, 25 cents for youths 12 to 17, free for children under 12. For the gold show there is an additional charge of $1 for adults, 50 cents for youths. A taped guide to the exhibit can be rented for a small fee.

Arizona

Take a summer drive in Amazing Arizona and enjoy a vacation of exciting contrasts.

One day, your family can picnic by a mountain lake or among the red rocks of Oak Creek Canyon. Enjoy an exhilarating swim at Slide Rock. Explore the forested slopes of towering San Francisco Peaks, and watch the sun set from a viewpoint over Grand Canyon.

Another day, you can hike around the volcanic wonders of Sunset Crater, peer out over the depths of Meteor Crater, marvel at the colors of the Petrified Forest and Painted Desert. Take your choice of the Hopi Mesas, Navajoland, Monument Valley, Glen Canyon, and Lake Powell.

Re-live favorite shows on the streets of Old Tucson. Drive through a saguaro cactus forest to the Desert Museum where wildlife abounds in natural habitat. High above you are the space age observatories of Kitt Peak. In the valley is San Xavier, one of the oldest Spanish missions, still serving its Indian

congregation. See vast mines which supply a large share of the nation's copper. Drive along the Santa Cruz River past the 17th century village of Tubac to Nogales, on the Mexican border.

From Douglas, another lively border town, take historic Coronado Trail to scenic mountains and wide-open ranch country. In neighboring Bisbee, ride a train through

copper mine tunnels. Nearby are Tombstone, where the gun-shootin' Old West still lives, and Fort Huachuca, where the army is developing new electronic weaponry.

Clear skies urge you to enjoy all outdoor sports, explore, take pictures. Eat at a 5-star resort, a famous cowboy steak house, or by your own campfire.

Accommodations in wide

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Billy Gates doesn't travel on business. He travels for pleasure. And since staying in a hotel is half the fun, he's pretty choosey about his accommodations.

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Southwest classics... six to shop for

Works of fiction and essays can make the romantic Southwest come alive in a way that no fact-packed travel guide can match. A little background reading in one or more of the literary classics of this region—some dating back to the turn of the century—can reveal fascinating stories of Southwest people and make your next visit there far more rewarding.

Luckily in the last decade new paperback editions have been issued of some of these hard-to-find old-timers. Here are six that we enjoyed.

A well-stocked bookstore, especially one with a section on Americana, should have several on hand. Or ask a bookstore to order one or more for you; allow six to eight weeks for delivery.

The Delight Makers, by Adolf Bandelier (Harcourt Brace Jovanovich, New York, 1971; $4.75), first published in 1890, is an epic work of fiction by one of America's foremost archeologists. It deals with the lives of prehistoric Pueblo Indians in what is now Bandelier National Monument near Santa Fe, New Mexico, with special insight—since the author himself discovered, excavated, and documented the ruins where the story takes place.

Bandelier's writing style seems stilted by modern standards, but the tale he tells is timeless: a story of political intrigue, passion, and murder long before the arrival of any Europeans on the American continent.

The Land of Poco Tiempo, by Charles F. Lummis (University of New Mexico Press, Albuquerque, 1975; $2.95), first

W. D. A. STEPHENS

Here *our six suggestions; some are also available in other paperback editions*

Take the first step toward taking your first cruise.

Free.

Fill out the coupon and we'll mail you a lot more than a brochure—it's the big, 28-page, full-color NCL Cruise Book from Norwegian Caribbean Lines.

The book is packed with all kinds of facts and information about a cruise vacation. And it'll give you a good look at some of the reasons we take more people to the Caribbean than any other line:

Our passengers. They're people just like you. Dancing, dining, having a fabulous time. Because there's never any snobbery on our ships; we invented one-class, contemporary cruising by keeping the elegance in and the stuffiness out. What's more, our expert staffs know the difference between simply serving a passenger and caring for one. It keeps the atmosphere on our ships warm, friendly, and fun.

Our four new ships. All our ships—the Southward, Starward, Skyward, and Sunward II—were designed for the Caribbean. With open sunny decks, modern staterooms with private baths, swimming pools, gift shops, dining rooms, lounges and nightclubs. The Cruise Book shows it all.

Our islands. At NCL, we offer more ports to choose from on a one-week cruise than any other line. Everybody's favorite places, like St. Thomas, San Juan, and Jamaica. Plus exotic new places to discover, like Cancun or Cozumel in Mexico, and the Out Islands in the Bahamas.

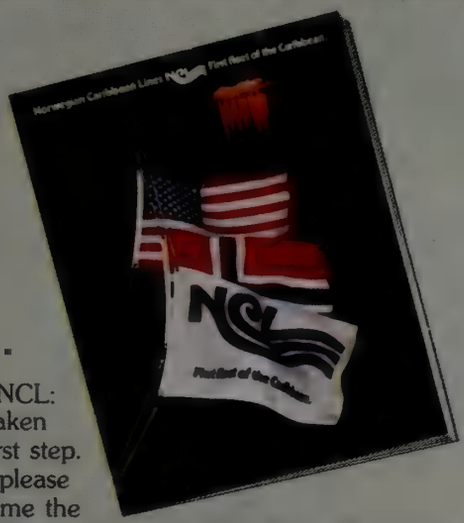
Our schedules. With NCL, all you do is pick your week, and you're on. We have five different cruises to choose from that sail from Miami every week, year 'round.

Three one-week itineraries plus one 3-night and one 4-night.

Our rates. With everything included—your room, four great meals a day, dancing, entertainment—it all costs less than most good resorts.

What's more, NCL's Cloud 9 fly/cruise can jet you round-trip to Miami from most major Pacific cities via Western Airlines DC-10 Spaceship with stretch-out comfort, movies, complimentary champagne and spectacular savings.

After you read our Cruise Book, your travel agent can give you even more information. But why not take the first step now? With this coupon.



Dear NCL:
I've taken the first step. Now please send me the new 28-page, full-color NCL Cruise Book. Free.

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S7

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The exoticism of the East captured in little outdoor food stalls of Kuala Lumpur that bustle with activity right through the night.

These 17th Century Dutch buildings called "Stadthuys" stand testimony to Malacca's glorious past during the Spice Trade Era.

Watch "Little Asia" come alive in Kuala Lumpur, then relive the historical past of nearby Malacca.

Kuala Lumpur. *Malaysia's capital city with an endless maze of colourful images. The people, the food, the sights, the sounds. All an exotic mix of European and Asian cultures. A pulsating potpourri of Malays, Chinese and Indians.*

And there's more. To the south is the historic town of ***Malacca.*** *Here, 158 km from* ***Kuala Lumpur,*** *you can step into history and relive the glorious past of this ancient port.*

Fish, sail, [illegible] or simply relax [illegible] the sandy, sun-kissed beaches of ***Port Dickson,*** *only 100 km away from* ***Kuala Lumpur.***

Or take a scenic drive from the capital city to one of several hill resorts, set in the midst of lush green tropical jungles.

And it's all here in Malaysia. The country where great cultures meet, where the diversity of its history, customs and traditions is reflected in the [illegible] hospitality of gentle, friendly Malaysians.

Come share a holiday in this wonderful land. Come to Malaysia. We welcome you [illegible] and any time of the year.

For more information and brochures about Malaysia, contact your travel agent or write to us at the address below.

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Director (Overseas),
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36th Floor, Transamerica Pyramid Building,
600 Montgomery Street,
San Francisco,
California 94111,
U.S.A.
Tel: (415)-788-3344

TOURISM MALAYSIA

It's all here

MALAYSIA

published in 1893, is a collection of essays by the respected newspaperman, poet, and founder of the Southwest Museum in Los Angeles. They deal with New Mexico's Acoma Pueblo, the Penitentes sect, archeological explorations with Adolf Bandelier, and other stranger-than-fiction subjects that must have tested the author's credibility with the uninitiated reader of that era.

These subjects have been more widely reported today, but the Lummis essays still have that appealing freshness of original discovery.

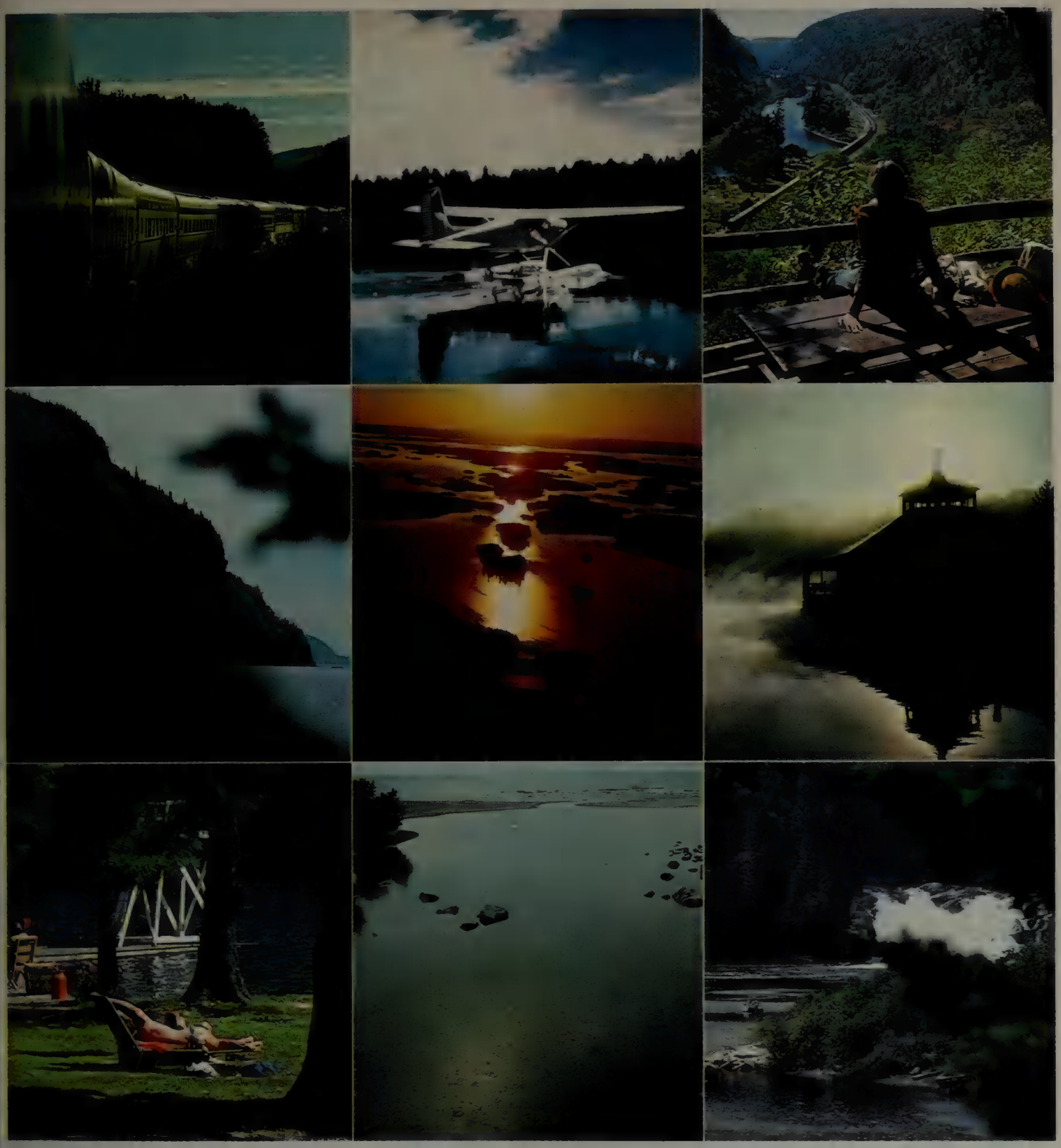
The Land of Little Rain, by Mary Austin (University of New Mexico Press, Albuquerque, 1976; $2.45), first published in 1903, is a thoughtful collection of natural history essays on Owens Valley and the Mojave Desert by the noted novelist, playwright, early environmentalist, and a founder of the Carmel, California, art colony. E. Boyd Smith's illustrations from the first edition are reproduced in the new paperback.

Death Comes for the Archbishop, by Willa Cather (Vintage Books, Random House, New York, 1971; $1.95), first published in 1927, is a work of fiction closely paralleling the life of Jean Lamy, the colorful archbishop of Santa Fe. The setting of this famous novel is New Mexico from about 1850 to 1875, and although Cather calls her protagonist Bishop Latour, the novel still remains the most readable biography of Bishop Lamy and one of the most colorful histories of the Southwest.

Laughing Boy, by Oliver La Farge (A Signet Classic, The New American Library, New York, 1971; $1.50), first published in 1929, has as its setting the Navajo Indian Reservation near Kayenta, Arizona, in 1915. A love story about two young Navajos, this Pulitzer Prize-winning novel gives an unusual insight into the lives and thoughts of the Navajo people.

The Man Who Killed the Deer, by Frank Waters (A Pocket Book, Simon & Schuster, New York, 1975; $1.50), first published in 1941, is a fascinating study of Taos Pueblo in the 1930s. A story about the conflict between Pueblo tradition and the encroaching Anglo culture, it offers a rare understanding of Pueblo Indian religion and philosophy.

In addition to these six, look for other books on Southwest history and folklore in Southwest or Western History sections of bookshops that carry paperbacks. Here you may find paperback editions of journals and diaries, archeological and ethnological monographs, biographies of Southwest heroes and villains, and handsome, well-illustrated books and booklets dealing with Southwest arts and crafts—all potential take-alongs for a more meaningful and more enjoyable trip. ◻



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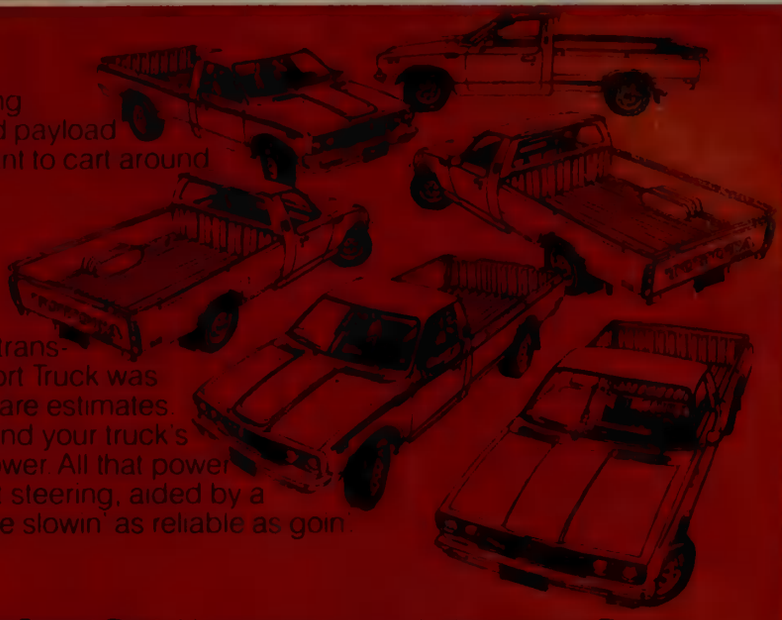
In Bush Plane country, all the wilderness your heart desires, four hundred thousand lakes, two hundred outpost camps, thrills & spills on white-water canoe routes, fourteen species of fighting game fish, a couple of fantastic train excursions winding through majestic canyons or far North to Arctic Tidewater, scenic highways, and all kinds of great lakeside resorts with the chance to sail, hike, golf, ride, play tennis, shuffleboard, enjoy shore-lunches or barbecues, and come nightfall, make new friends in the cozy company of a roaring fire, or be one with nature outside – this is where the endless North begins. For more about Northern adventure vacations, call COLLECT (416) 965-4008, or write: Ontario Travel, Dept. N., Queen's Park, Toronto M7A 2E5. We'll send you our Traveller's Encyclopaedia.

Ontario Canada

This is a new 1978 Toyota SR-5 Long Bed Sport Truck. We call it part sports car, part cart, because Toyota Sport Trucks are hot two-seaters with loads of luggage space. Trucks are the big comers in fun vehicles, and Toyota's way out ahead with the right combination of choice, performance, comfort, economy, and reliability.

SPORTS CART.

The Car Part. Accommodations for two in uncommon comfort. The SR-5 features hi-back bucket seats that support you wherever you need it. Cut-pile carpeting is everywhere and helps keep things soft and quiet inside. The AM-FM radio, tinted glass, and floor console are other standard touches that point up the car-like quality in an SR-5.



he Cart Part. We don't call it the SR-5 Long Bed for nothing. A bed over seven feet long hauls up to a hefty 1100 pound payload. You've got to admit, that's a big trunk for whatever you want to cart around.

he Sports Part. It starts with a 2.2 liter overhead cam engine. The biggest standard displacement engine in its class. This engine has loads of low end torque, too. And when it's combined with the standard 5-speed overdrive transmission, gas mileage is terrific. In EPA tests, the SR-5 Sport Truck was rated at 31 mpg highway, 23 mpg city. These EPA ratings are estimates. Your mileage will vary depending on your driving habits and your truck's condition and equipment. California EPA ratings will be lower. All that power hits the road through wide radial-ply tires. Up front is tight steering, aided by a front anti-sway bar. Power assisted front disc brakes make slowin' as reliable as goin'.

The Smart Part. It's smart to go truck shopping at Toyota. There are 6 models to look over. Standard Beds. Sport Trucks. Deluxe Trucks. Long Beds. Go for Toyota's lowest-priced model, up to this SR-5 sports cart – or anything in between. Depending on the model, you've got three transmission options – 4- and 5-speed manual and a 3-speed automatic. If you're ready for a new kind of driving fun, put yourself in a Toyota SR-5 sports cart. We're so sure you'll go Toyota, we have the guts to invite you to compare our reliable Toyota trucks against all comers by saying, "If you can find a better built truck than a Toyota . . . buy it."

TOYOTA TRUCKS

©Toyota Motor Sales, U.S.A., Inc. 1976

Hiking in Europe . . . there is a new marked trail network

European hikers have long dreamed of one huge international network of footpaths, and now their vision is beginning to materialize. The European Ramblers Association in Stuttgart, Germany, in cooperation with local and regional hiking clubs, has selected 12,000 kilometers (7,500 miles) of trails in western Europe and has started the job of signing them with the red-and-yellow symbol in the picture at left and black-on-white destination signs shown on page 40. These signs will be added to existing national markings.

Symbol of hiking pair, *as seen in a Yugoslav forest, will eventually mark all six trails*

On a vacation in Europe, you might plan to hike a day or several days along a section of one of the six trails:

E-1, 2402 km; North Sea (Flensburg, Denmark) to Mediterranean (Genoa, Italy)

E-2, 2089 km; Netherlands/Belgium border to Mediterranean (Nice, France)

E-3, 2292 km; Forest of Bohemia, Germany, to Atlantic (near Bordeaux, France)

E-4, 2150 km; Austria to Pyrenees

E-5, 600 km; Lake Constance, Switzerland, to Adriatic (Venice, Italy)

E-6, 2776 km; Baltic (Copenhagen) to Adriatic (Rijeka, Yugoslavia)

When choosing your route, consider the terrain. Trails through mostly flat Denmark and parts of Germany and France are walkable most of the year, but sections through foothills may be snow-covered in winter. Some sections of trail cross the Alps and are accessible only in summer; for these you need mountain experience (see the April 1976 *Sunset*).

Rainwear and good hiking boots are a must in any season. So are detailed maps, best bought from the local hiking club or a bookstore in the area where you plan to walk.

The international trail network follows mainly footpaths or secondary roads in rural areas, where you may see people milking cows, gathering grapes, mowing hay or pitching it high onto a cart, o

Six *long-distance trails cross Europe from north to south and east to west*

Don't stop at Disneyland.

Sure, Disneyland is a great place to start. But just because you've been there doesn't mean your visit to Southern California is complete.

Because, only minutes away from Disneyland is California's second greatest attraction. Knott's Berry Farm.

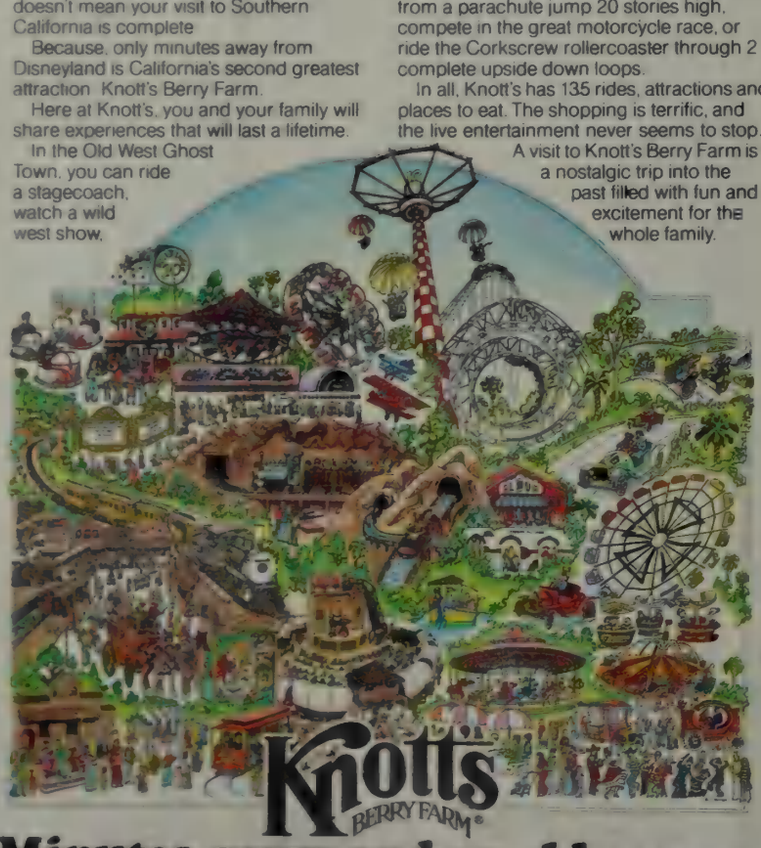
Here at Knott's, you and your family will share experiences that will last a lifetime.

In the Old West Ghost Town, you can ride a stagecoach, watch a wild west show, and even pan for real gold.

In our Roaring 20's Airfield, you can drop from a parachute jump 20 stories high, compete in the great motorcycle race, or ride the Corkscrew rollercoaster through 2 complete upside down loops.

In all, Knott's has 135 rides, attractions and places to eat. The shopping is terrific, and the live entertainment never seems to stop.

A visit to Knott's Berry Farm is a nostalgic trip into the past filled with fun and excitement for the whole family.



Minutes away and worlds apart.

La Palma & Beach Blvd., Buena Park, CA. 90620 (714) 827-1776.

SOUTH AMERICA BEYOND THE EXPECTED

The unexpected mysteries of ancient civilizations and exotic cultures–right here in the Western Hemisphere.

In Peru, you can fly across the Plains of Nazca and see the strange symbols which may have been aerial signals for astronauts thousands of years ago. You can climb the mountains by train to Machu Picchu—ancient Andean citadel of the Incas and still a tantalizing enigma nearly seventy years after its ruins were first discovered. You can see the sculpture, the golden artifacts, the sophisticated medical instruments of Pre-Columbian civilizations in the famous archeological and gold museums of Lima and Bogota. And then, contrast them with the Spanish colonial art and architecture that came later—Lima's superb Torre Tagle Palace or the Plaza de Armas, for instance, or the romantic villa of Simon Bolivar in Bogota.

And then you fly to the South America of *today*—from the mystical music of Andean flutes to the Bossa Nova beat and beaches of Rio de Janeiro—or to the worldly, wining-dining, shopping, Gaucho-loving glamour of Buenos Aires.

South America. It will touch your heart and mind—beyond anything you might have expected. Let Braniff get you there with Flying Colors.

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Please send me more information on South America.

☐ South America Travel Planner with full color photographs, tours, prices. Sample vacations:

THE PERUANA, 9 days, $210* plus air fare. Historic Peru, optional side trips available. Fixed group departure dates. (IT7BN1AT61)

ROUND SOUTH AMERICA. 15 days, $572-672* plus air fare. Getting to know Peru, Chile, Argentina, Brazil. (IT7BN1AT23)

☐ BEYOND THE EXPECTED TOUR. 16 days, $565*, including daily Continental Breakfast. Peru, Argentina, Brazil, Colombia. Fixed group departure dates. (IT7BNATBE)

☐ Jim Woodman's 62-page guide book on South America (Please send $1).

*Prices per person, double occupancy (single accommodations higher), including guided sightseeing and airport transfers. Price range (where shown) depending on choice of hotel and number of persons traveling together. Air fares, most meals, local taxes, service charges, international departure tax not included. Check your travel agent or Braniff for details of advance booking, deposit and payment requirements—and about inclusion in a group. Prices subject to change.

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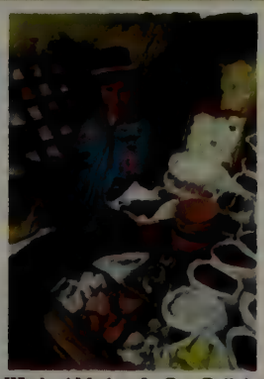
NAME OF MY TRAVEL AGENCY _____

Copacabana, Beach of Rio.



Witches' Market, La Paz, Bolivia.

Candelabra of the Andes, measuring 840 feet and pointing toward the Nazca Plains.

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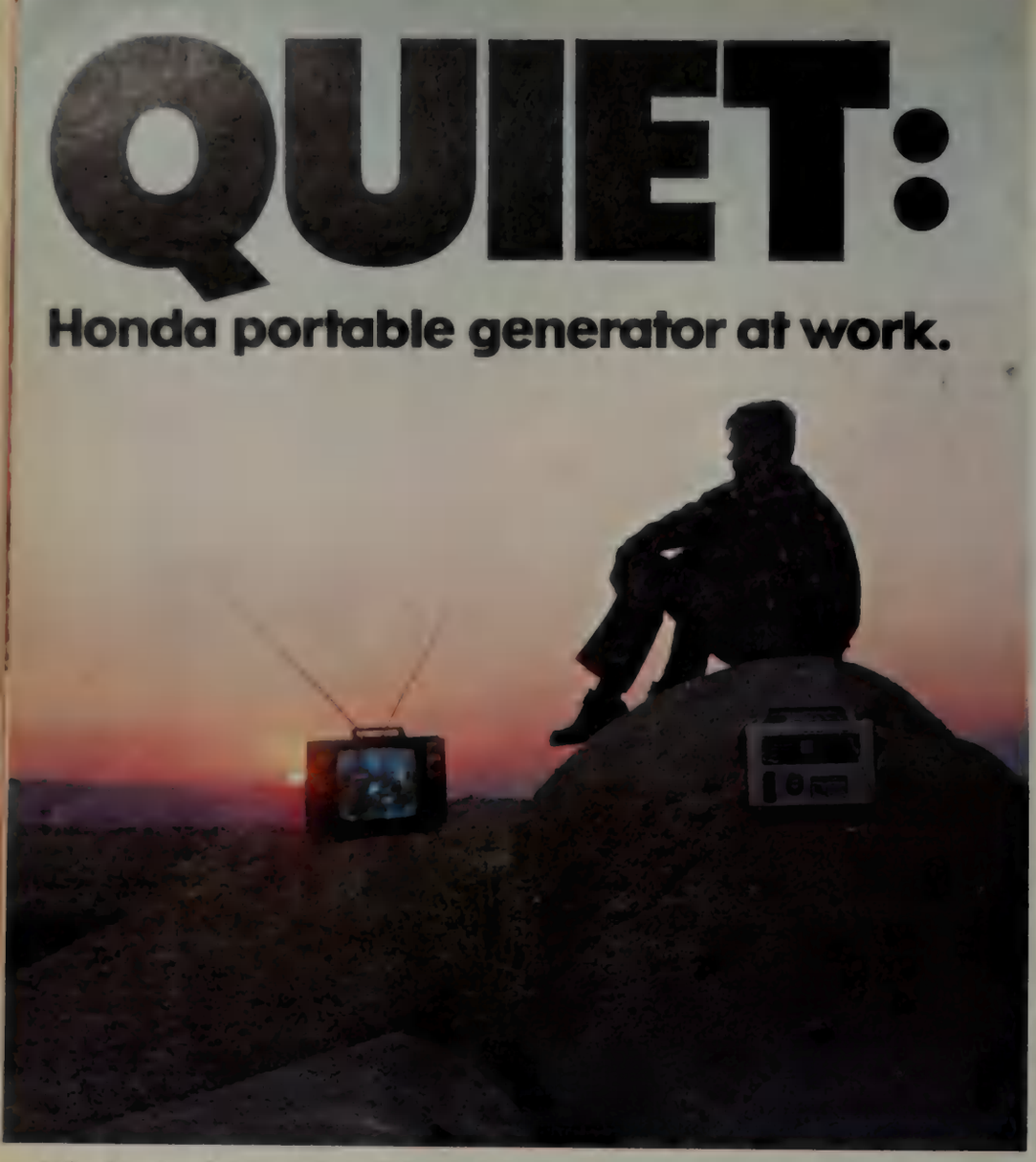
QUIET:

Honda portable generator at work.



Whether you're camping, fishing, boating or relaxing in your home on wheels, the Honda EM-400 generator makes things easy for you. Power to do various jobs. Where you want it. When you want it. And does it all quiet as a mouse (well, almost).

400 watts of power can run a lot of things. Charge car batteries. Run low-watt appliances. Supply juice for power tools. Turn on your TV. A real boon in emergencies when other power sources let you down.

The Honda EM-400 has a 400-watt maximum AC rating. 300 watts continuous. The unit weighs only 39 lbs. Starts easy. Has an automatic choke. And gives four hours of continuous power on a half-gallon of gas. No premix needed. The price? Only $299.* A great value when you consider its versatility. And your peace of mind.

Honda has other generator models up to 3500 watts. For portable power, Honda's the name for dependability. See the Yellow Pages for your nearest dealer or call us collect at (213) 381-2201. Then go see him.

HONDA

Power Products

For optimum performance and safety, we recommend that you read the owner's manual before operating the unit. Observe all campground regulations. © 1977 American Honda Motor Co., Inc.
*Manufacturer's suggested retail price.

Hikers rest *on Swiss portion of E-1, leading (as the small rectangular sign below tells) from North Sea to Mediterranean*

hanging up the weekly wash against backdrop of the snowy Alps. Occasion ally the trail may follow a paved roa for several kilometers, or go through series of villages; if this happens, yo can take a bus or train to the next foo path segment.

Overnight accommodations are almo impossible to reserve: mountain hu on high alpine routes; village inns, pe sions, or private homes lower dow You can buy your food along the wa eat in restaurants, or at your lodging A *Sunset* editor scouting part of t Yugoslav section of E-6 spent a pleasa night in a Slovenian farmhouse, suppi on buckwheat porridge, cubes of fri bacon, and hot milk. She solved co munication problems with a bit of G man, a pocket dictionary bought Ljubljana, and paper and pencil.

For a descriptive leaflet with a rou sketch of the six trails, send a lar stamped, self-addressed envelope Footpath Editor, *Sunset Magazi* Menlo Park, Calif. 94025.

The picture is Hawaii. Hyatt adds the color.

HYATT HOTELS HAWAII

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JERRY FREDRICK

Billowing cloud *of sulfur-scented steam swirls behind hikers on viewing platform at Devil's Kitchen*

Uphill trail *to Boiling Springs Lake is shaded by tall pines, firs*

Hot Springs Creek *winds through the valley, can yield trout*

There's good horseback country *all around Drakesbad; the lodge there rents horses by the hour or longer to guests and nearby campers*

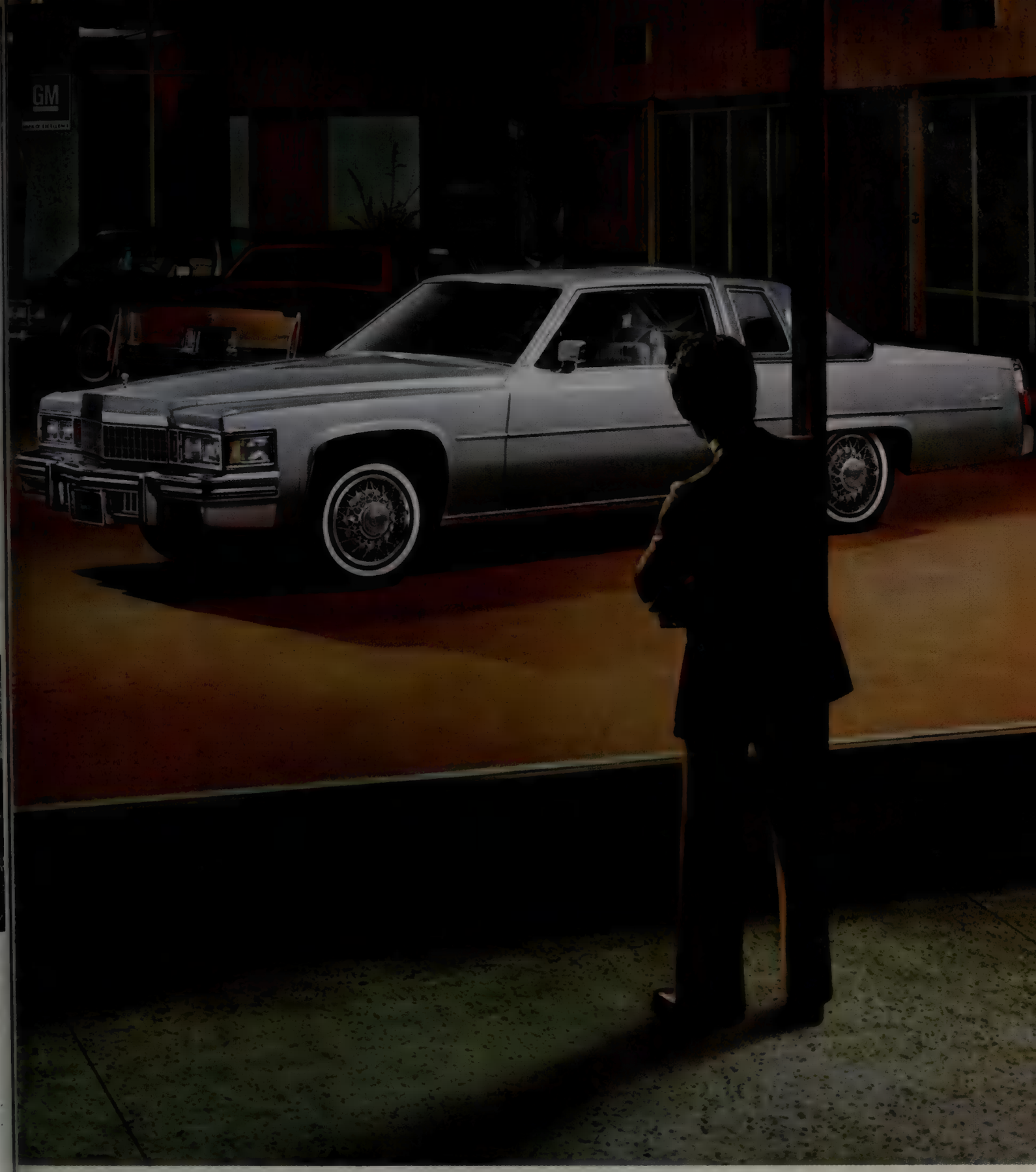
Hiking, riding, fishing, and fumaroles at Lassen's back door

For families who want to explore Lassen Volcanic National Park's back country away from the main road crowds, Warner Valley offers a variety of hiking and riding trails, some fishing, and a steamy sampling of geothermal activity. The valley road should be free of snow around the first of the month although late storms could delay the opening.

Sandwiched between Flatiron Ridge and Sifford Mountain, the valley's upper end is really an alpine meadow following Hot Springs Creek up to an elevation of almost 6,000 feet. By mid-June the valley is usually well into spring and most of the trails should be hikeable.

For campers, the 15-unit Warner Valley Campground opens with the road. For those who like their wilderness experience blended with a little comfort, rustic Drakesbad Guest Ranch will be open June 17 through September 10.

Drakesbad is a good base for exploring a variety of back-country attractions. Hikers can choose from a number of nearby destinations, as can riders (horses cost $4 first hour, $3 subsequent hours). From the ranch it's less than a mile south to the steaming fumaroles of Boiling Springs Lake and not quite 2 miles



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JERRY FREDRICK

Rustic lodge *dining room serves simple but hearty Western meals*

west to the bubbling sulfurous mud pots of Devil's Kitchen. It's a steep but spectacular 2 miles to Drake Lake for fishing or an icy swim, or you can hike or ride the switchbacks up onto the relatively open top of Flatiron Ridge.

Less-energetic folks can explore the meadows along Hot Springs Creek; by mid-June the wildflowers should be at their best. There are also good opportunities for bird watching. Although heavily fished, Hot Springs Creek can be a challenge for experienced fly fishermen or for youngsters using bait.

Drakesbad wranglers offer guided horseback rides to different locations every morning during the ranch's open months. Although lodge guests have priority, other visitors are welcome; it's wise to call in advance.

Of the 18 rustic lodge rooms and cabins, 10 have baths; the lodge is usually full, so reservations are a must (make them as far in advance as possible). Rates include all meals and vary depending on the size of your family. A family of four can rent a bungalow with two double beds, private bath, and all meals for $72 a night ($41 to $58 for two, some without bath). Food is served in the lodge's dining room, where visitors not staying at the lodge may buy meals.

For rates and reservations, write to Drakesbad Guest Ranch, California Guest Services, Mill Creek, Calif. 96061.

At the Warner Valley Campground, sites cost $1 and are open on a first-come basis—arrive early. For more on visiting or camping in the park, write to Superintendent, Lassen Volcanic National Park, Mineral, Calif. 96063.

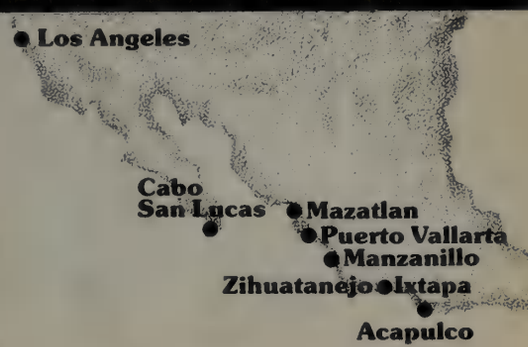
Drakesbad is located at the end of the Chester-Warner Valley Road, about 81 miles northeast of Red Bluff off Interstate Highway 5, and about 17 miles northwest of Chester. The valley road is paved to the national park boundary, then becomes graded dirt the last 3 miles. Trailer-pulling vehicles shouldn't drive this dirt stretch. □

Acapulco—gem of the sunny Mexican Riviera. Spectacular beaches. Superb golf, tennis. A shopper's paradise. Exciting night life.

And now—for the first time—Acapulco is included on a luxurious 7-day Princess Cruise. It premieres this September.

Take your choice. Sail from Los Angeles to Acapulco. Or Acapulco to Los Angeles. Both 7 days. Either way, you'll spend nearly 2 days in Acapulco with the ship as your hotel.

SEE 5 FASCINATING PORTS.
The highlight of your cruise is Acapulco. But your Princess ship will also take you to picturesque Puerto Vallarta. Mazatlan with its extravagant expanse of bone-white beaches. Remote Cabo San Lucas



on the tip of Baja. And unspoiled Ixtapa/Zihuatanejo or intriguing Manzanillo.

If you have time, take the 14-day round-trip cruise. You'll enjoy a sizable savings.

TRAVEL IN STYLE.
Choose your Princess. The sleek Sun Princess or elegant Island Princess. Both British-registered beauties with affable British officers. Enjoy generous sun decks. Sparkling pools. Attractive staterooms. Inviting lounges. The entertainment, tops. The service, unsurpassed. And you'll dine regally on award-winning cuisine served with flair by our Italian dining room captains. After all, you're traveling with a Princess.

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part of the growing world of P&O

"A museum should not be shut off from life"

AIMÉ MAEGHT

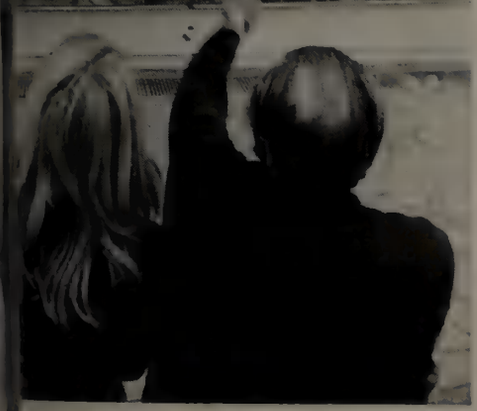
This marvelous indoor-outdoor place in the south of France is not. And near it are many other extraordinary art-experience musées

Tall Giacometti figure *turns its back on small visitor. Jose Luis Sert, former Harvard architecture chairman, designed buildings*

On wall *is Ariel Coral Tree III by Sam Francis of Santa Monica, California. Outside is Miro's Oiseau Lunaire in Carrara marble*

Five-legged Calder stabile *stands loftily among pines in the Maeght entry garden. Umbrella is a reminder of the Riviera's mixed weather, even in June*

Miró's tall sculpture *La Fourche mounts a five-pronged crosspiece resembling a pitchfork. It stands in the maze-like Miró sculpture garden called Le Labyrinthe*



Chagall's joyful masterpiece *La Vie a wall-size swirling composition of performing dancers, acrobats, musicians*

To some tastes, no other modern art showplace is so truly delightful as the 14-year-old Fondation Maeght up in the hills at St. Paul de Vence, an hour from Nice on the French Côte d'Azur.

The Maeght alone is reason enough for a modern art partisan to stop over in Nice. But it is only a high point. In Nice itself or close by are some three dozen other art places, many of them one-artist museums. Chagall and Matisse museums are right in Nice, the Chagall so good it is a must-see; Léger is in Biot, Picasso in Antibes, Cocteau in Menton, Renoir's house in Cagnes-sur-Mer.

The Côte d'Azur, at the easterly end of France's Mediterranean shore, is the 86 mile stretch from St. Tropez northeast to Cannes, Nice, Monte Carlo, Menton, and the Italian border. This is the celebrated part of the French Riviera. It is colorful, traffic-jammed, and tourist-jammed, but your travel agent can help with reservations. The jamming diminishes as you head into the hills, where there are less expensive places to stay.

June is a good month to make a Nice stopover if your travels take you to the south of France. Weather is like that of coastal California, or a bit warmer. This is an in-between month for tourists because May's big attractions, the Cannes film festival and the Monte Carlo road race, are behind and the high season that peaks from July through September is not yet quite cranked up.

Driving a rental car is an agreeable way to get from museum to museum. Rent small: Any renting is expensive, but it's less so with a very small car. You won't feel intimidated; similar cars make up most of the traffic.

On the road, take it easy. French drivers tend to be zippy. If the posted speed is 60 kilometers and you are doing 70, cars smaller than yours will accept the challenge and zip by at 80 or 100. Traffic lets up somewhat between noon and 2, when shops, banks, and markets are closed, and people go home. But expect heavy rushes just before and after.

The Fondation Maeght was a gift to the French people by Paris art dealer Aimé Maeght and his wife, Marguerite. It was opened in 1964 by France's then Cultural Affairs Minister André Malraux.

What you see today is still Phase I: a spacious arrangement of connected buildings, not large but dazzling, set on

In 1935, General MacArthur asked us for a suite that would "approximate the elegance and comfort of Malacañang Palace."

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The gracious living and Grand Hotel traditions you thought were long gone, have never left The Manila Hotel.

90 years of its colorful history have been recaptured and gracefully blended with timeless traditions of Philippine graciousness and all the conveniences of modern technology.

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For $300 a day you can even get the suite (and attention) General MacArthur got back in 1935.

In fact, even if you're not a national hero, we'll always treat you like one.

For reservations, please consult your travel agent.

The Manila Hotel
Philippines

There are perhaps a dozen incredible places you must see in the Orient. One of them is a hotel.

a pine-forested hillside a half mile above the village of St. Paul-de-Vence. On the hillside and inside the buildings are sculpture gardens.

There is a small chapel with stained glass windows by Braque. A pool inside has a Braque mural on its bottom. To avoid the chance of chemical damage to the mural, this pool is filled with rainwater collected by the building's inverted barrel-vault roofs. Bronze Giacometti "personages" in the central court were placed by Giacometti himself.

Phase II—when it comes—will almost double the museum's size. Added will be

Picasso ceramics *fill cases in the centuries-old Grimaldi Palace—now the Picasso Museum—in Antibes*

gallery space, a cafeteria, and a library a multipurpose theater for films, ballet and music; and more sculpture gardens. More of the permanent Maeght collection will be on regular display. Standouts in this collection are works of Bonnard, Matisse, Tal-Coat, Kandinsky, Léger, Chagall, and California's Sam Francis. There is a tempting sales room. You can buy original lithographs and also limited-edition print reproductions of first-rate quality. The Fondation is open every day of the year.

Write first. If you plan a Côte d'Azur visit, an indispensable piece of literature is yours for a note or postcard. For a copy of *Musées "Côte d'Azur,"* write to the French Government Tourist Office at 323 Geary St., San Francisco 94108 or at 9401 Wilshire Blvd., Beverly Hills 90212. The fact-packed 16-page folder tells how to find the museums, hours, fees (if any), and what's there to see or experience. It covers dozens of galleries within an hour or so of Nice, with collections ranging from art to history, oceanography, botanic exotica, antiquity. Spend a day, a week, a month. A few visitors wind up staying a year. Some just stay.

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overall length with blade in place 13½"

for campers, backpackers, vacation and motor home owners $16.50 post paid

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It's a family car. It's a motor home. It's a vacation cottage. It's the 1978 VW Campmobile Bus. And it turns anywhere into your home away from home.

The '78 Campmobile Bus is probably the most economical and versatile family vehicle ever. During the week, it's perfect for carting your crowd around town. And on weekends and vacations, it becomes that vacation cottage you've always dreamed of. Because the VW Campmobile Bus has everything you need to live in comfort, including the kitchen sink.

The '78 Campmobile Bus sleeps three with a big double bed for the two of you. And when you decide to take the kids, there's the optional pop-up top that gives you accommodations for up to five.

What's more, the VW Campmobile Bus is decorator-finished. With color-coordinated curtains on the windows. Louvered side windows with screens and insulated wood-panelled walls. So your family car is also your family cottage.

And not only does it save on renting a cottage, the Campmobile Bus saves plenty on fuel, too. It has a peppy, fuel-

injected, two-liter engine which gets an estimated 25 mpg on the highway, 17 in the city, according to 1978 EPA estimates. Of course, actual mileage may vary depending on how and where you drive, optional equipment, such as automatic transmission and the condition of your Campmobile.

So, when you want to get away from it all without ever leaving the comforts of home, remember. It's more fun to take the Bus. The '78 VW Campmobile Bus. Home never looked so good.

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It's a shame they're only for golf. Or are they?

Before we designed the new Golf-abouts line we asked a lot of women what they wanted in golfwear. Golf-abouts has it all. Comfort. Quality. Easy-care and functional golfwear design. Left. A puff blossom print skirt of polyester and cotton, 100% Qiana® nylon scoop necked T-shirt and cotton velour jacket. Right. 6-Gore skirt with V-cut pockets in 100% texturized Dacron® polyester and sleeveless printed shirt of polyester and cotton. Charles A. Eaton Co., Brockton, MA 02403. A member of the Colgate Sports Group of Companies.

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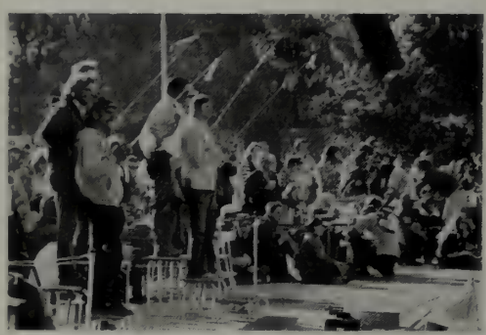
SPORTSWEAR

STEVE W. MARLE

Champagne ritual *at Spreckels Lake in Golden Gate Park launches 6-foot working model of cruise ship Golden Odyssey*



From platforms, *skippers turn racing boats with antenna-topped transmitters*

Flotilla *of model craft includes replica of carrier Yorktown, fireboat, cruise ship, and tug*

Three parks afford watching of radio-controlled craft

The start of summer brings out model boaters with a parade of craft to rival the opening day of yachting season. An aircraft carrier floats alongside a fireboat, a swift speedboat cuts past a trim yawl. And back on shore, model boat owners man the remote controls.

You can watch the boaters on Sunday afternoons when they gather to talk shop, sail, and race challengers in three Bay Area parks. Their boats are gas, battery, steam, or wind-powered, and many are built from kits costing $10 to $350. They're maneuvered around a lake by hand-held radio-controlled transmitters that cost another $75 to $600. Two to six channels give instruction signals to the motor, rudder, sails, whistles, and sirens.

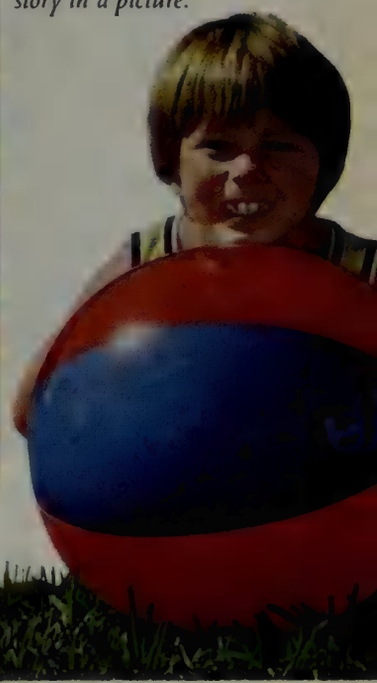
The multihulled hydroplane-type racers are especially fun to watch; some can reach speeds up to 85 miles per hour with a 3 to 3½ horsepower engine. A full speed they can swing in wide grac ful arcs or dance in tight turns—but 3-inch-high whitecap can flip one over

There are five model boat clubs in th Bay Area, and most sailors are happy explain the finer points of their hobb to you—including how to build, repai and competitively race the small craft.

Park lakes offer three favorite waterin holes where you'll find boaters and the models: In San Francisco, the action at Spreckels Lake in Golden Gate Par on John F. Kennedy Drive (closed auto traffic on Sundays). North of Sa Jose, Sandywool Lake in Ed R. Lev Regional Park, at the end of Calaver Road about 2 miles east of Intersta Highway 680, is popular. And southwe of San Jose in Campbell, go to L Gatos Creek Park on Dell Avenue b tween Sunnyoaks and E. Hacienda.

The more the pictures, the merrier the day.

Today's adversity. Tomorrow's laughter. Shoot from far enough away to tell the story in a picture.



Big colorful pictures are bette with a big colorful prop.

Capture every member of the family.

If the sun is too bright, use a prop like a large hat for shade.

You'll never guess which member of the family caught the largest fish.

Capture the moments that make life worth living, on Kodak film.

Kodak film.
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Kodak

STEVE W. MARLEY

Cocoon-like shelters *for you and your sleeping bag are easy to set up, only a fraction the size and weight of most tents. Yet they're waterproof and breathable. Light-colored, supported shelter above is long enough to hold backpack too*

Bivvy sack puts backpackers and cyclists in safekeeping

Surprise evening storms drench many an unsheltered summer backpacker and bicycle tourer, most of whom don't carry tents because of the weight. But now there's a cocoon-like alternative that's much smaller, lighter than all but the tiniest tent, and no less effective—the one-man shelter, or bivvy sack (for "bivouac sack."

Weighing about 1½ pounds, the shelters look like loose-fitting sleeping bag co ers. You, your sleeping bag, and foa pad all go inside at night, protected fro rain, dirt, heat-stealing wind, and most cases, mosquitoes.

How well do bivvy sacks work? W tested two on rainy nights, and woke dry the following mornings. Sleeping side is a little claustrophobic at first, b after awhile it's not much different fro being covered head to toe by bed shee One bivvy sack is held up off your fa with a fiberglass half-loop; most othe lie loose. Because these shelters are small, don't plan to do anything mo than sleep inside, and perhaps chan clothes (easiest in unstaked kinds; th sit up when you sit up).

Tent or bivvy sack? We suggest this ru of thumb: If you're *concerned* abo rain, take a bivvy sack; if you *expe*

Who makes what?	Price	Weight	Length	How it's closed	Mosquito net?	Staked down?	Held off face?
Banana Bivy Sac Banana Equipment Box 136 Estes Park, Colo. 80517	$59*	26 oz.	96"	Velcro	no	no	no
	$59*	20 oz.	(same as above, but lighter material)				
Bear Necessity Arcata Transit Authority 650 10th St. Arcata, Calif. 95521	$79	22 oz.	98"	zipper	yes	no	can be
	$95*	26 oz.	98"	zipper	yes	no	can be
Misty Mountain Shelter Down Home Box PP Arcata, Calif. 95521	$79	22 oz.	98"	zipper	yes	no	can be
	$95*	26 oz.	98"	zipper	yes	no	can be
Sleep-Inn Early Winters 110 Prefontaine Pl. S. Seattle 98104	$47.85	18 oz.	84"	draw-string	yes	no	no
	$49.45	19 oz.	90"	draw-string	yes	no	no
Marmot Burrow Marmot Mountain Works 331 S. 13th St. Grand Junction, Colo. 81501	$88	25 oz.	108"	zipper	yes	yes	yes
Super Bivvy Sak Pak Foam Products 390-h Pine St. Pawtucket, R.I. 02862	$60	19 oz.	84"	zipper	netted side vents	yes	can be
Super Bivouac Sack Western Mountaineering 550 S. First St. San Jose, Calif. 95113	$70	22 oz.	97"	zipper	yes	no	can be

** 100 percent Gore-Tex. Others have waterproof nylon bottoms, Gore-Tex tops.*

The five Hawaiis of United.

United can help you create the Hawaii that's just right for you. We've got vacation packages and options galore. And we've got Royal Hawaiian Service to get you there in fine Polynesian style with Mai Tais and flowers and great dining. So read on, but remember, the vacations described are only a few of many and do not include air fare. Prices range according to choice of hotel and other ground arrangements and are subject to change.

Hawaii: As You Like It.

Here's real flexibility to give you the islands and hotels just to your liking. Start with "Discover Waikiki," for example; it's 3 nights close to great dining, sightseeing and entertainment. And for a base price of $55.50 per person/2 to a room (10% tax and service not included) you get a lei greeting and hotel transfers. Your choice of a special tour or show is also included. (ITUAA-AHIA3.) But that's just for starters, because other islands and extra nights are easy to add on. And don't forget to ask about our neat Kitchen and Car trips.

Hawaii: Lifestyle.

For complete, ready-to-go vacations, a Lifestyle package could be just your thing. With "Waikiki – Do Your Own Thing" you can enjoy 6 nights at a remarkably low $83 (10% tax and service not included) per person/2 to a room. Also included are Outrigger Hotel Cabaret Show, Honolulu and Punchbowl Crater Tour, Countdown Discount Card and more. (ITUAF-TWTA6.) Or opt for our "Oahu Plus Neighbor Island U-Drive," starting at $170 per person/2 to a room and 7 days' unlimited mileage car rental. (ITUAF-TWTNO7.)

Hawaii: One-O.

For multi-island trips, you can't beat the 3- and 4-island plans. "Hawaii Three-O" is 4 nights Waikiki, 2 nights Kauai, 3 nights Maui, with special tours on each island, lei greeting, Countdown Discount Card, transfers, briefing party – all from $234 complete, per person/2 to a room. (ITUAG-HHIC9.)

Hawaii: Privacy in Paradise.

Consider a condominium vacation at one of 27 condominium resorts on any of 5 islands. Great for a couple or a family. Prices range from $34.50 to $168 per person/2 to a unit, for 3 nights (5% tax and service not included). Rental car with unlimited mileage is easily available. Daily maid service and fully equipped kitchens give you even more of the freedom you want. (ITUAH-CREA3.)

Hawaii Complete: Fly/Drive.

There's no better way to build your own fun than with a footloose Fly/Drive plan. In "Maui – House of the Sun" you get 2 nights at your choice of accommodations and 2 days' use of a car with unlimited mileage. Prices range from $39 to $82 (4% tax not included) per person/2 to a unit. It's a great bargain. (ITUAC-RHTC2.)

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President
Caribbean Holidays, Inc.

I'd like to call your attention to what I consider to be one of the best travel buys available today. In fact, this is one of the most outstanding values we've been able to offer in our 45 years of creating quality travel.

I'm referring to "Sunshine Merry-Go-Round," our Florida, Bermuda, Bahamas and Caribbean vacation program based on Eastern Airlines' Unlimited Mileage Fare.

This is the way it works. At least two adults, or one adult and two children, 2-11, must travel together. Your trip may be as short as seven days or as long as 21. You must make at least three stopovers and you may make as many as you choose. No matter how many stops you make, you pay only one round trip airfare, which costs from $302 to $323 per person.

Destinations include Paradise Island and Freeport in the Bahamas, Bermuda, the Caribbean islands of Antigua, Barbados, Guadeloupe, Haiti, Jamaica, Martinique, Puerto Rico, St. Croix, St. Kitts, St. Lucia, St. Maarten, St. Thomas, Trinidad, as well as Orlando, Fort Lauderdale and Key Biscayne in Florida. At any destination on our program, accommodations at participating hotels are a standard $20 a day, per person, double occupancy.

Plan your vacation any way you want it. A week on each of three very different Caribbean islands—perhaps lively Puerto Rico, unspoiled St. Lucia, and magical Haiti. Or a long relaxing stay in Bermuda—plus two days in Orlando for Disney World and two in St. Thomas for duty-free shopping. Or ten islands in twenty days. The fare is the same, no matter how much you see.

Many additional features are included, depending on each hotel. There are some regulations and restrictions as well. Your travel agent is the one who can explain all the details and map out your unlimited vacation. In fact, your travel agent is the only one who can offer you this incredible Caribbean Holidays adventure.

Please tell him or her I sent you.

STEVE W. MARLEY

Zippered mosquito net *is standard on most bivvy sacks. Fiberglass hoop on this model keeps shelter off your face*

much rain, take a tent.

Key to the one-man shelter's success is a waterproof, breathable fabric that keeps rain out while letting most of the warm, moist air from inside escape before it condenses and gets you wet (condensation is the bane of most waterproof tents). Trade-named Gore-Tex, it's a film of microporous PTFE plastic (akin to nonstick pan finishes) sandwiched between two layers of fabric.

The bivvy sack's weak point is its seams, which are not factory-waterproofed. You have to do the job yourself. Seal the seams from the inside with two coats of sealer (the outside of the fabric has a protective coating that repels sealer).

There are a number of sealers on the market. Use one recommended by your bivvy sack manufacturer.

Gore-Tex can lose its waterproofness when contaminated with any kind of oil —perspiration, hair oil, and lanolin from wool sweaters included—but it can be restored by machine-washing with mild soap. Sponge oily areas off first with denatured alcohol.

Also, while Gore-Tex is breathable, don't rely on it for all your oxygen. In any small, closed shelter—especially in snow or freezing rain—it's possible to use up oxygen faster than it's replaced. To be on the safe side, *always vent your shelter by keeping the zipper open a few inches.* We did that on a rainy night and didn't get wet.

At our press time, there were seven kinds of waterproof/breathable bivvy sacks on the market, and at least three more on the drawing board. None have been manufactured for more than two years, so retail availability is limited. However, you can mail-order all of them from the manufacturers; addresses are listed in the chart on page 52. □

Sheraton Hawaiian Showplaces: Come find your place in the sun.

Surfrider

HONOLULU. Views of [illegible] the sky or ocean from your private lanai. [illegible] Shipe's Tavern Restaurant. On Waikiki Beach.

Sheraton-Maui

On beautiful [illegible] Beach. Featuring 440 rooms, including [illegible] tennis facilities and two championship golf courses.

Princess Kaiulani

HONOLULU. A real [illegible]. Across the street from Waikiki Beach, adjacent to the International Market Place. Pool, five restaurants and [illegible].

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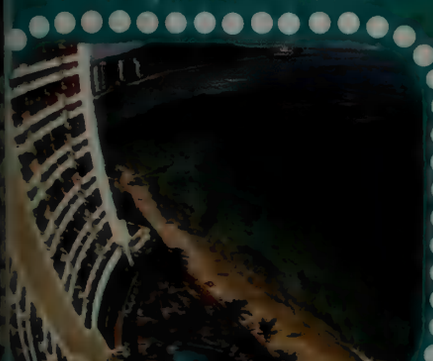
HONOLULU. The famous "Pink Palace of the Pacific." Lush gardens, grand cuisine, [illegible] dinner [illegible] Right on Waikiki Beach.

Sheraton Kauai

Right on the ocean. With a [illegible] of the Pacific. There's [illegible], water [illegible], and golf and tennis [illegible].

Moana

HONOLULU. [illegible] South [illegible]. In the heart of Waikiki and still one [illegible] great Hawaiian [illegible].



Sheraton-Waikiki

HONOLULU. [illegible] Waikiki [illegible]. With [illegible], five restaurants, [illegible] of [illegible] and [illegible] from its 1900 rooms.

Sheraton Molokai

The only hotel on Kaluaki Beach. With an 18-hole golf course [illegible] four lighted tennis [illegible] and great sightseeing.

Waiakea Village

HILO. Lovely beautiful [illegible] the hotel's gardens and walkways from every room. There's swimming, [illegible] elegant dining, evening entertainment.

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Wherever you go, Gott's patented refreeze bottle eliminates the need for crushed ice. Cold air from the frosty refreeze bottle flows down and through the contents in the bottom of the chest, keeping them cold all day long. So food that looks good enough to eat stays that way. For even longer cold-holding power, use refreeze bottles plus ice.

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There are four chests in the Gott refreeze series. The Tote-12 for life's little pleasures. Our roomy family-size 50- and 60-quart chests. And Gott's huge 80-quart chest. Plus our all-new 5-quart beverage cooler. Or you can choose from Gott's complete line of coolers and conventional ice chests in a wide range of colors and sizes.

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BUFF BRADLEY

Using *timeless methods, Kurodani villager prepares pulp in tank; another resident dips bamboo screen into pulp slurry*

Kurodani . . . paper making near Kyoto

Kurodani lies in the mountains, a 2½-hour bus ride from downtown Kyoto. If urban Tokyo and Kyoto don't fit your idealized image of Japan, Kurodani may. Roosting in green mountains next to a glistening stream, it's a tiny village devoted to the ancient craft of producing *washi* (handmade paper). You can spend several hours roaming the village and return to Kyoto the same day.

The bus to Kurodani leaves the depot behind the Gion Hotel, corner of Shijo Dori and Higashi Oji Dori. It will help to first go to the Kyoto Tourist Information Center underneath the Kyoto Tower on Karasuma Dori, a block north of Kyoto Station. A staff member there will give you the schedule for buses to and from Kurodani and other information you might need.

At our last check, a "Kyoto Kotsu" bus leaves every 15 minutes after the hour; fare is about $6 one way. (An alternative to the long bus ride: Take the 1½-hour express train trip from Kyoto Nijo Station to Ayabe, then transfer to taxi or local bus to Kurodani.)

The bus ride takes you north out of the city. The urbanness drops away after

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*Prices quoted are per person, double occupancy, April 16, 1978—December 18, 1978, based on an exchange rate of 22 pesos to the dollar and are subject to change without notice. Room, food and beverage taxes not included. Children 18 and under free when sharing parents room (room only). Other lengths of stay available on request.

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CAMINO REAL
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The only complete resort hotel in the center of the city. Four pools. Rooftop tennis. Ten restaurants, lounges, live disco.

Price includes welcome cocktail. Daily American breakfast, English newspaper. Half-day city tour. Maps of the city and Chapultepec Park. One night's cover at Cero Cero lounge.

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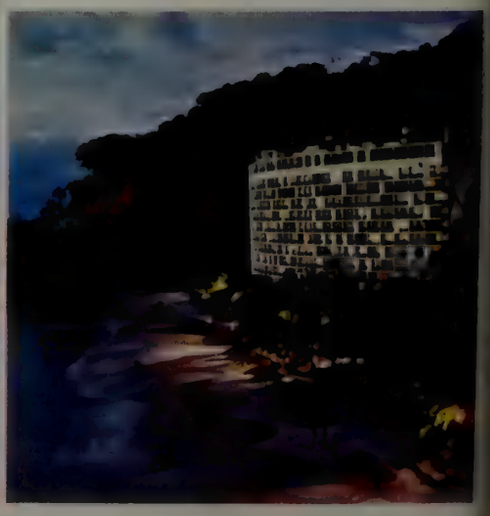
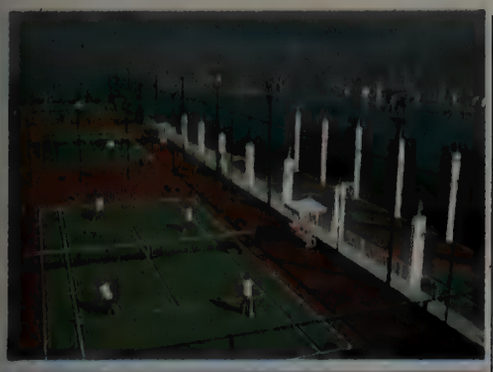
Price includes welcome tequila cocktail. Dinner with glass of wine at La Perla restaurant. Tour to Yelapa. Tennis.



WESTERN INTERNATIONAL HOTELS

FOR LESS



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Hawaii, Maui (Wailea) Wailea Beach (Summer 1978)
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Kansas City, MO ..... Crown Center
Los Angeles ..... Century Plaza
Los Angeles Bonaventure (Downtown)
New York ..... The Plaza
Phoenix ..... The Arizona Biltmore
Pittsburgh ..... Carlton House
Portland, OR ..... Benson
San Francisco ..... Miyako & St. Francis
Seattle ..... Olympic & Washington Plaza
Space Needle Restaurant
Tulsa ..... Williams Plaza (July 1978)
Washington, D.C. ..... Mayflower

AUSTRALIA
Sydney ..... (Affiliated) Wentworth

CANADA
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Edmonton ..... Edmonton Plaza
Montreal ..... Bonaventure
Toronto ..... Hotel Toronto
Vancouver ..... Bayshore Inn
Winnipeg ..... Winnipeg Inn

DENMARK
Copenhagen ..... Hotel Scandinavia

EL SALVADOR
San Salvador ..... Camino Real

GUATEMALA
Guatemala City ..... Camino Real

JAPAN
Kyoto ..... Miyako
Tokyo ..... Takanawa Prince & Tokyo Prince

MEXICO
Acapulco ..... Las Brisas
Cancun ..... Camino Real
Guadalajara ..... Camino Real
Mazatlan ..... Camino Real
Mexico City ..... Alameda & Camino Real
Puerto Vallarta ..... Camino Real
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Manila ..... Philippine Plaza

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SOUTH AFRICA
Johannesburg ..... Carlton

THAILAND
Bangkok ..... Dusit Thani

For reservations call your travel agent or 800-228-3000

WESTERN INTERNATIONAL HOTELS

Too small *to show on some maps of Japan, Kurodani is about 50 miles from Kyoto*

half hour or so and you are in breathtaking mountain countryside.

Every stop the bus makes is announced beforehand by a tape recording. When you board, mention to the driver that you want Kurodani, then listen to the recording.

At Kurodani. You'll get off the bus directly across the highway from the village and cross a bridge to the town. There's only one street; it follows the river up the mountainside. At the foot of the mountain, where the village ends, is a lovely old Shinto shrine.

As you're walking into town you'll come to a store on your left that sells some groceries and has office space for three or four workers. This is the paper company office, where you can buy the local product and indicate that you'd like to look around. (You probably won't find any English spoken here; a phrase book will come in handy.) From here, you can roam about the village on narrow paths that meander among houses and on up the mountainside.

Several varieties of very good paper are made here with traditional methods dating back a millenium or more. Most are plain papers, excellent for stationery uses. There are solid colors, and a medium-weight folk art paper with designs that have been transferred by means of a rice paste resist—somewhat like silk screening.

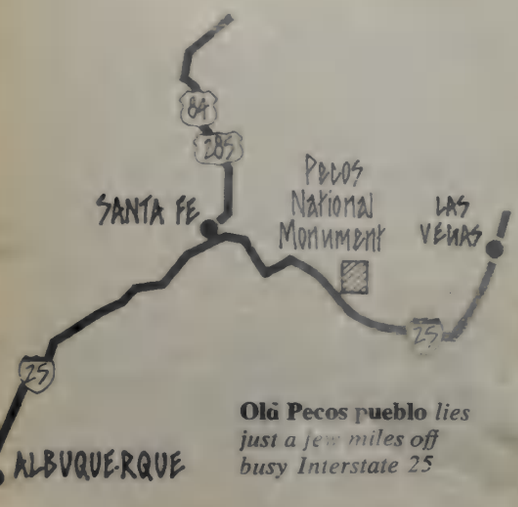
Watching the process. The paper is made in the village households. Each house is responsible for a single part of the process: Some prepare bundles of sticks that will become the pulp, some make the pulp, some prepare the liquid pulp mixture, some mold sheets of paper on bamboo screens, some dry the paper on frames. Householders at work don't seem to mind onlookers as long as their manner is careful, quiet, and respectful.

Kurodani is a stop on some Japanese art and textile tours; ask your travel agent. Also, see this month's travel planners' check list on page 6. □

TERRY E. EILER

Two ceremonial structures *invite exploration: the mission ruins in distance and the restored underground kiva in foreground*

Near Santa Fe . . . a look back at Pueblo life, Mission life



Old Pecos pueblo *lies just a few miles off busy Interstate 25*

Bright *overhead entry lights your climb into dimness of kiva*

A short detour off Interstate 25 about 25 miles southeast of Santa Fe takes you to Pecos National Monument, a Pueblo Indian village that was already more than 200 years old when Coronado arrived in 1541.

The Spanish explorer's treasure-hungry expedition soon moved on, however, to look for Quivira, a golden city that the clever Indians said was just a little bit farther away. Two years later, Coronado returned to Mexico City bearing only tales of discouragement.

With the Spanish invasion in abeyance the people of Pecos continued a life style that had served them well for many centuries. Situated just east of the forested slopes of the Sangre de Cristo Mountains on a high-plains tributary of the Pecos

When it comes to station wagons, nothing even comes close to a Town & Country. This new size Town & Country is the Chrysler among luxury wagons.

No other wagon of its size offers the option of genuine leather seating, made specially soft to the touch. Along with Chrysler's finest luxury options.

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THE NEW SIZE CHRYSLER LeBARON TOWN & COUNTRY. NOTHING ELSE COMES CLOSE. DON'T SETTLE FOR ANYTHING LESS.

We wouldn't trust our memories to any other camera.

Traveling is a great excuse taking pictures—but you uld take along a camera you 't have to make excuses *for* en you get home. One that will you right back in the middle he fun.

The Canon G-III 17 is just t kind of camera. It's a pre- on 35mm camera that can e you results equal to neras costing considerably re. And it's easy fit into your vel budget.

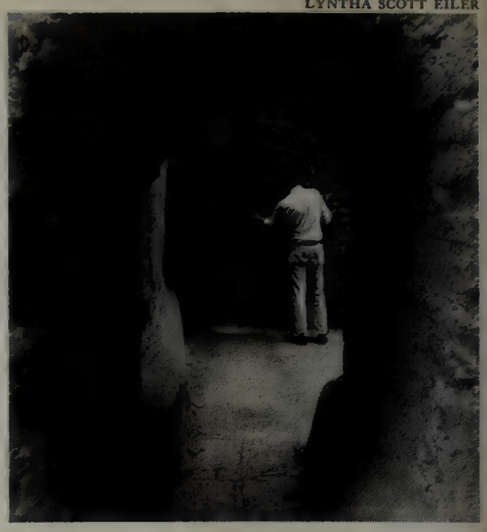
The G-III 17's excellence ts on the inside, where it nts. It has a sophisticated non f1.7 lens, that will give you rp pictures in almost any light.

Its built-in coupled rangefinder will tell you exactly what's in focus, without guesswork. Its handy automatic exposure system lets you concentrate on your subject. And with the optional Canolite D, electronic flash is fully automatic and foolproof every time.

Yet with all this performance, the G-III 17 is amazingly small and lightweight, ready to throw into a bag or over your shoulder at a moment's notice. But be careful. Instead of using travel as an excuse for photography, the G-III 17 might start you thinking about things the other way around!

Canon®
G-III 17

LYNTHA SCOTT EILER



Cross-bedding *of adobe bricks in sacristy may have added strength. Archway leads from main mission altar and convento*

River, the old village was a prosperous center of trade between the Rio Grande farming villages just across the mountains' crest and the fierce buffalo-hunting tribes out on the Great Plains.

After several unsuccessful attempts, the Spanish finally returned and established a permanent settlement at Pecos in 1598. Its mission church was completed in 1620 and was heralded at the time as one of the most splendid structures in New Mexico.

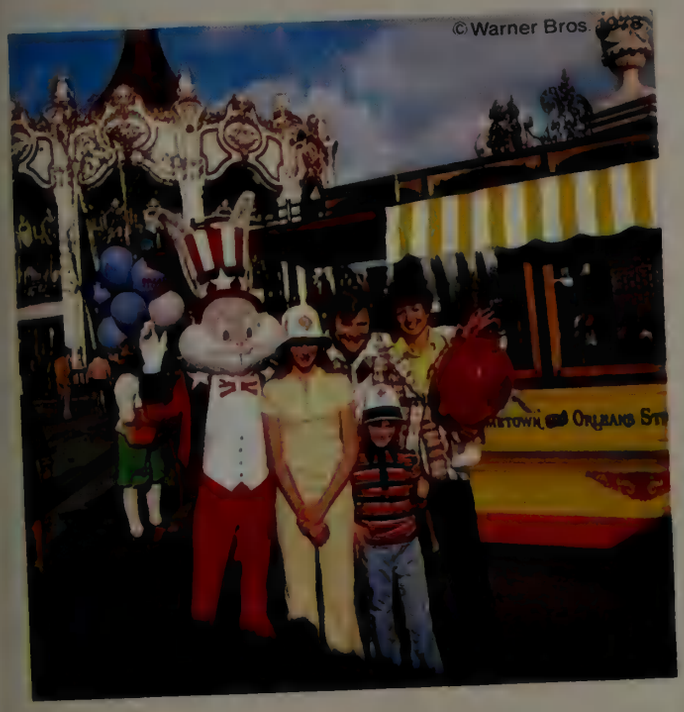
In 1838, after almost three centuries of warfare with the fierce Plains tribes and various forms of pestilence introduced by the Spanish, the last 17 inhabitants abandoned their once-populous ancestral village and went to live with kinfolk at Jemez Pueblo. The ruins of Pecos Pueblo and the crumbling walls of its mission church became well-known landmarks along the Santa Fe Trail.

Archeological investigations at Pecos Pueblo began in 1915 after the property was deeded to the Museum of New

TERRY E. EILER

Archeologists *excavate a promising mound just south of monument headquarters*

After you take in Marriott's Great America, be sure to visit San Francisco



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TERRY E. EILER

Bread baking *and basket weaving are traditional Pueblo skills demonstrated each day at Pecos National Monument*

Mexico. Early studies suggested that the grandeur of the mission church had been greatly exaggerated, but recent excavations by the National Park Service prove the existence of two churches: a grand 17th-century church (probably burned during the Pueblo Revolt of 1680) and a smaller 18th-century structure erected on part of the old foundation.

On a visit to Pecos National Monument this summer you can climb down a peeled-log ladder into one of two restored kivas (underground ceremonial chambers), hike the Pecos Ruins Trail through the old village complex, stroll through the arched passageways of the roofless 18th-century church, and watch Park Service archeologists at work.

You can also see yucca baskets being woven at the demonstration center, and buy loaves of bread still warm from the adobe ovens. There are no camping facilities at the park, but tree-shaded tables provide a pleasant setting for a picnic. Supplies are available at nearby town of Pecos.

The park is open daily from 8 to 7. From Interstate 25, take the Rowe Interchange exit and follow U.S. Highway 84/85 Alternate 3 miles north to the park entrance. Admission is free.

FROM FORD: SUPER IDEAS IN WAGONS.

Now there's an all-new 20-inch longer Super Wagon in the Club Wagon family.

Seats up to 15! Super Wagon seats up to 15 with 3 optional bench seats. Standard Wagon seats 5, with seating for 8 or 12 optional—plus more cargo space for gear and goods than most station wagons! Can tow 8,000 lbs.!
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If you think you can survive it.

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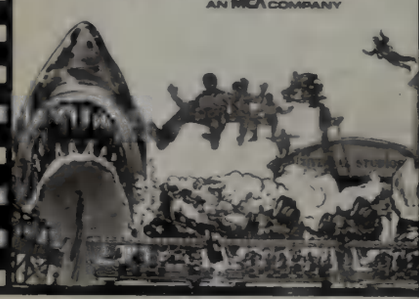
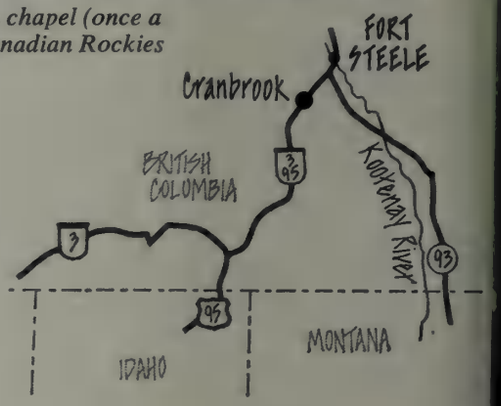


Boardwalk *passes tiny, restored Anglican chapel (once a schoolhouse) set in the foothills of the Canadian Rockies*

The 1890s on the bank of the Kootenay



Just 65 miles north of the Idaho - British Columbia border is a first-rate demonstration of history come alive: Fort Steele, a re-created 1890s boom town on the east bank of the Kootenay River.

First settled in 1864, the mining town flourished briefly from 1890 to the 1920s, but declined when the railroad passed it by. Rather than allow the artifacts to be carried away to museums, the British Columbia government tried something different: restore what was left, re-create some buildings, and move others in from different locations.

Each of the forty or so buildings—churches, stores, stables, barracks, houses, and professional offices—is furnished with appropriate artifacts to give you a real feeling for turn-of-the-century living as you move around the 71-acre compound. In a restored hotel there's a museum on the area's history.

During the summer the Wild Horse Theatre provides music-hall entertainment, and you can ride the vintage steam train pictured at right, a stagecoach, or a wagon drawn by massive Clydesdales bred at the park.

Fort Steele is 10 miles northeast of Cranbrook, off Trans-Provincial Highway 3. The park is open from dawn to dusk, May 1 through October 31. Admission is free but there are small charges for the rides and entertainment. □

Steam engine *Dunrobin circles behin Fort Steele. It was built in 1895 i Scotland to serve British aristocrac*

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Grunion watching, when and how

Recent publicity has brought more and more people out to Southern California beaches to watch the grunion's late-night surfing escapades. But because the little fish is frightened off easily, fewer people are actually seeing this spawning phenomenon.

To increase your chances for a glimpse, wait quietly on the beach until the run has firmly established a beachhead. If you dash about at the water's edge when the first "scouts" come ashore, the amorous school just beyond the waves will move on to a more private beach.

If you're patient (and very lucky), you'll see grunion sweep up the beach with an

California grunion *is about 6 inches long, weighs ¼ pound or less. Coloration: blue-green above, silver below*

incoming wave, wiggle into the sand—tail first—to deposit their eggs, then return to sea with the next big wave. This all happens at highest tides, March through August. Since receding tides deposit sand instead of eroding it, the eggs will be protected until the next high tides 10 to 14 days later. The eggs will then be washed out to sea to hatch.

Grunion run on most beaches from Point Conception to Baja, usually four nights in a row starting two nights after a full or new moon. Following are the dates you should head out. Times vary 15 minutes or so up and down the Southern California coast; these times are for the Los Angeles Harbor area.

June 7, 10:30 P.M.; June 8, 11:10 P.M.; June 9, 11:45 P.M.; June 11, 12:30 A.M.; June 22, 11 P.M.; June 23, 11:59 P.M.; June 25, 1 A.M.; June 26, 2 A.M.; July 7, 10:50 P.M.; July 8, 11:30 P.M.; July 10, 12:02 A.M.; July 11, 12:45 A.M.; July 21, 11 P.M.; July 22, 11:45 P.M.; July 24, 12:30 A.M.; July 25, 1:45 A.M. Runs last about 1 to 2 hours.

The only legal way to catch grunion is to scoop them up with your bare hands. A fishing license is required if you're older than 16, and you can't take grunion in April or May. To prepare them for eating, clean, scale, bread, and pan-fry—a smashing breakfast.

Surf Lessons.

matter of course. Pick one of Hawaii's Surf Resorts and u also get a great golf course. The 18 exciting, hampionship holes of the Kauai Surf Golf & Country lub are yours at the Kauai Surf. With the Maui Surf omes the renown 36-hole Robert Trent Jones designed oyal Kaanapali layout. Billy Bell built the challenge into e superb Keauhou Kona championship links which curl to the sea eside the Kona Surf. Pack your clubs because you'll find your kind course at a Surf Resort.

Kauai Surf, Kalapaki Beach, Kauai.
Maui Surf, Kaanapali Beach, Maui.
Kona Surf, Keauhou Bay, Kona.
Naniloa Surf, Hilo Bay, Hawaii.
See your travel agent or write:

SURF RESORTS HAWAII
A division of Interisland Resorts
Box 8539, Honolulu, Hawaii 96815

Into the water . . . then Eye Opener, Taft's Tumble . . . and finally barbecue ashore

It's easy to launch *two-man rafts along this part of Cache Creek; rolling hills in background later become steep canyon walls*

JERRY FREDRICK

Smooth, rocky bank *and placid pools make an inviting spot to pull ashore for sunbathing—then on to the next set of rapids*

Whitewater's *rush and tumble can be better than a roller coaster ride*

Steak barbecue *dinner is part of two-day raft rental package*

Right after put-in on Cache Creek, 2 hours north of San Francisco, you paddle cross-stream and head into Eye Opener, a quick dash of a rapid that whets your appetite for more. Soon you bounce through Taft's Tumble and paddle on, gearing up for the big rapid they call Mother—a rollicking staircase of standing waves.

This is some of the whitewater fun you'll find on the once-again-full little river that runs northeast out of Clear Lake and south toward the Sacramento River. Anyone with an inflatable raft or kayak can put in about ¼ mile south of the Yolo-Colusa county line for a good 13-mile one-day run.

Besides lively rapids, you'll pass Camp Haswell—an old stone stage stop between Sacramento and Ukiah—and a 19th-century inn built by Chinese labor. When waters calm and the canyon widens to farmland, take out at Rumsey Bridge. Cache Creek Canyon Regional Park includes this entire stretch of river, so feel free to pull ashore anywhere.

Through October 1, you can rent a raft for this run from Cache Canyon River Trips. For $12.50 per person (children must be over 12) you get a raft, shuttle back to the starting point, and use of showers and toilets. A two-day trip ($35 per person) includes food. To reserve a raft (there are 50), write or telephone the river outfit at 1829 N. Texas St., Fairfield, Calif. 94533; (707) 422-6770.

To get to Cache Creek, take Interstate 80 north from the Bay Area, then I-505 north from Vacaville. Go west on St Highway 16 about 30 miles. (Or t State 16 west from I-5 at Woodlar Look for paved parking and a red bu ing on the left, 13 miles past Guinda.

Is it true what they say about Opel?

Robert Hestenes
"I would much prefer to stick with a Buick dealer than with any other dealer, simply because I've had such good luck with them."

Diana Pope
"I've been very favorably impressed with the solidity of the car."

Judith Wilcox
"It's great on gas. It's a roomy car for being such a small car. It's fun to drive and comfortable."

Gregory Kimmons
"It's peppy, and I like it. It's sporty. That's what I wanted and that's what I got."

ll those kind words are music to our ears. But rest ssured, all these nice people aren't heaping praise on ur little Opel just to brighten our day.

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And Opel offers good mileage, too. With e available 5 speed, in ct, the EPA estimates at 42 mpg highway, 7 city, and 32 combined. Your mileage will ary depending on how and where you drive, the car's condition and how it's equipped. EPA estimates are lower in California.

If you'd like to find out more about Opel, there are over 700 Buick/Opel dealers who would be overjoyed at the chance to tell you all about it.

Or better yet, just ask a friend who owns one. He'll no doubt lead you to pretty much the same conclusion all these people came to.

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Finding the right spot means everything when you head outdoors. It can assure you a great experience instead of disappointment. *Sunset's 1978 Western Campsite Directory,* completely revised and updated, helps you plan the best possible trip. It pinpoints 9,000 campgrounds and RV parks on locator maps, tells all about facilities, fees, attractions, and surrounding country; gives phone numbers and mailing addresses where reservations may be made; and provides ideas and directions for dozens of great discovery trips you can take as you travel the West. The new edition covers campgrounds from the Rockies to the Pacific, from Alaska to Mexico, in over 400 pages. It's the most popular, most useful guide you can own!

At bookstores and newsstands: $4.95

JULIE ANNE GO

Towering peaks *and stands of pine dwarf camper in Snowmass Wilderness are*

Summer in Aspen

. . . so much going o

When the snow melts and the skis a packed away, wildflowers dust alpi slopes and Aspen shows its fresh su mer face. Usually regarded as a ski r sort, this small mountain commun 205 miles west of Denver offers eveni symphonies, folk concerts, ballet, le tures, and craft festivals. For the su mertime adventurer, there's river rafti jeep touring, and hiking.

For a look back

Aspen has come far from its silv mining boom-town beginnings. To sh you just how far, Quicksilver Taxi S vice will give you a historical tour of town. The cost: about $8 per person the 2½-hour outing.

One stop is the Stallard House Museu an old mansion housing memorabilia turn-of-the-century miners and skie The museum is open June 1 to Septe ber 30, from 1 to 4 daily except Mo day. For information, call the Asp Historical Society, (303) 925-3721.

Concerts, ballet, lectures

Entering its 29th summer in the ar the Aspen Music Festival presents mu cians, teachers, and students from country's leading conservatories. Fr June 23 to August 20, visitors can en a variety of ensembles, including a orchestra, opera, and chamber mu Day and evening concerts are held in Aspen tent Friday through Mon with special student concerts ev Wednesday. For details, write to M

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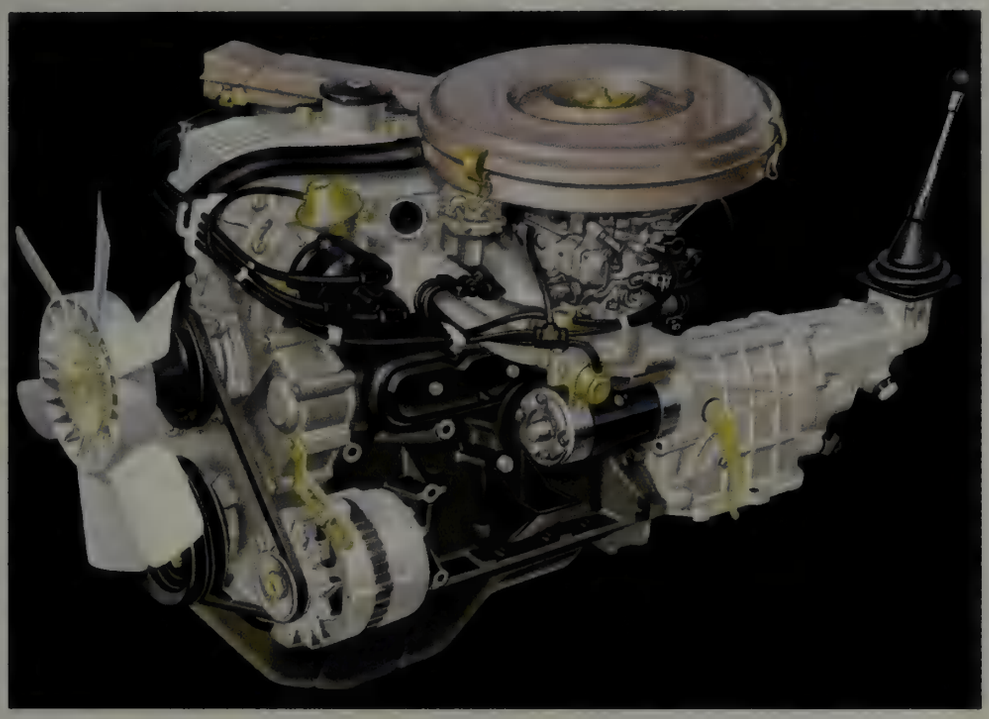

If you're really into cars and driving, you should know more about our amazing new MCA-Jet System with Silent Shaft. We think it's one of the most significant engine developments to come down the pike since the first American high-compression V8.

First off, it offers all the advantages of a four-cylinder engine...but without the vibration usually associated with the proverbial "four-banger." Its unique Silent Shaft design (available only with the five-speed manual and automatic transmissions) is the reason. Two counterbalancing shafts rotate in opposite directions to cancel out the noticeable power pulses inherent in normal four-cylinder designs.

Now comes the MCA-Jet part of our system. MCA stands for Mitsubishi Clean Air. The MCA-Jet System meets...even exceeds...the stringent emissions requirements now in effect in both Japan and America. Without loss in performance, too. A revolutionary new cylinder-head design that incorporates a third, or "jet," valve does the job. This valve introduces an extra swirl of air into the combustion chamber which swirls the fuel-air mixture and promotes a faster, more even, thorough burning of the mixture at ignition.

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Everything is here at The ILikai — open air lanais, outdoor entertainment areas, over 30 fine shops and restaurants, 24 hour room service, beaches, two freshwater swimming pools, and seven tennis courts. The rooms themselves, most with kitchenette facilities, are the largest in Waikiki.

Typical oceanview rooms range from $45 - $62, double occupancy; suites from $85 to $420. For reservations just call your travel agent or 800-228-3000.

The ILikai — Waikiki's masterpiece.

Associates of Aspen, Box AA, Aspen, Colo. 81611, or call (303) 925-3254.

Since 1970, Salt Lake City's Ballet West has made Snowmass Resort—12 miles west of Aspen—its summer home. This year, the company offers a five-week ballet repertoire, as well as in-residence training for serious ballet students. Visitors are welcome at free rehearsals in open-air tents at Snowmass Resort. Public performances will be held Wednesday through Saturday, July 19 to August 19, at the Aspen High School Performing Arts Center. Tickets cost $4 and $6.50. Write to Ballet West, Box 8745, Aspen 81611, or call (303) 925-7718 for summer schedules.

The Aspen Institute for Humanistic Studies is a private organization bringing together leaders and lecturers from business, government, academia, and the arts. Past participants include Henry Kissinger, Chief Justice Warren Burger, Art Buchwald, Saul Bellow, Henry Steele Commager, and Martha Graham. Free lectures, open to all, will be held Tuesday and Thursday evenings from June 27 through Labor Day. For speakers and times, call (303) 925-7010.

Other events include the Snowmass Art and Crafts Fairs in the Snowmass Mall (June 18, July 15 and 30, August 19), Wednesday night rodeos at Snowmass Stables, and art classes at Anderson Ranch Arts Center. For information contact Aspen Chamber of Commerce, 328 E. Hyman Ave., Aspen 81611, (303) 925-1940, or Snowmass Chamber of Commerce, Box 5566, Snowmass Resort 81615, (303) 923-2000.

High mountain adventure

Aspen and Snowmass nestle at about 8,000 feet in the Roaring Fork Valley of the Rocky Mountains. Listed below are some ways to enjoy the terrain; for more information on any of these activities, check with the Aspen or Snowmass chamber of commerce.

Raft trips. You can take a guided raft trip down the Roaring Fork, Colorado and Arkansas rivers in a paddle raft, oar raft, or inflatable kayak. Rates (roughly $15 to $25 for a day-long outing) include transportation from your hotel or lodge and lunch on the river. Reservations are necessary.

Jeep tours. Indians and miners carved a wealth of trails and back roads into the mountains around Aspen and Snowmass. By jeep you can explore the ghost towns of Gothic and Ruby, old mining towns like Crystal and Marble, and the Taylor and Pearl passes. Licensed jeep operators offer guided tours ($3 per hour per person or $22 to $24 all day, including lunch)—or you can rent four-wheel drive vehicles to explore on your own (about $26 per day).

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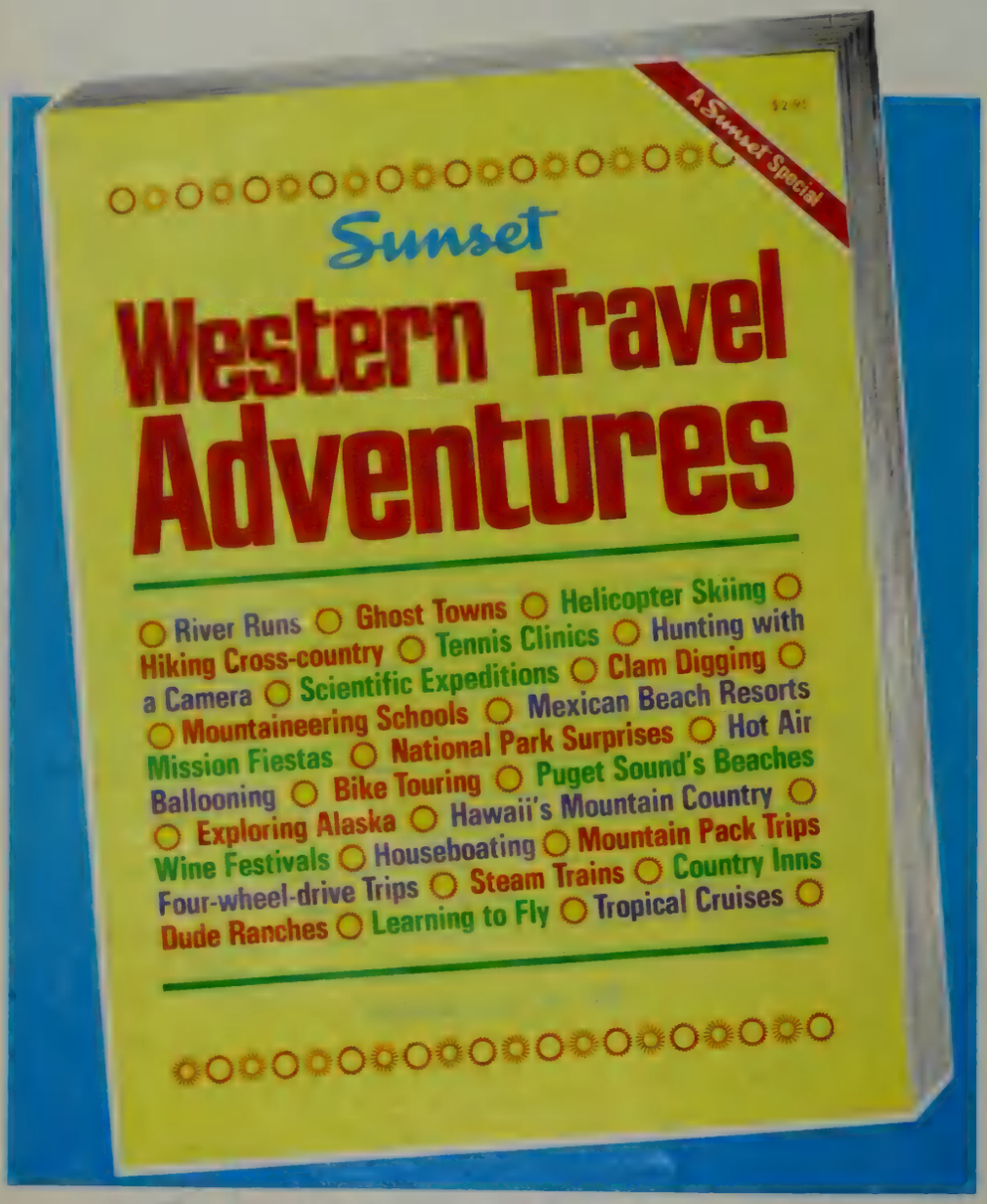
Sunset's newest—the family guide to great weekend and vacation adventures. More than 200 pages packed with details on what, when, where, why, and how much



Re-discover the West

From *Sunset* comes an information-packed annual magazine to help you and your family discover the West all over again. The West's foremost travel reporters have assembled a new weekend and vacation source book—a where-to-go guide to some of the West's great experiences! *Western Travel Adventures* has more than 200 pages and more than a thousand specific listings on country inns and old hotels, ghost towns, theme parks, wilderness pack trips, wild (and mild) river excursions, cruises, farm and ranch vacations, tennis camps, great special events (rodeos, races, music festivals, fairs, fiestas), steam train rides, four-wheel-drive trips, houseboating, bicycle tours, mission and wine festivals, Alaska, Hawaii, Mexico—and more!

At bookstores and newsstands—$2.95

chair lift for a breathtaking ride into the mountains. Ascending 11,800 feet up Loges Peak, you get spectacular views of the surrounding mountains. Pack a lunch and have a picnic at the top, then hike a well-marked trail.

The lift is open from mid-June through Labor Day, Thursday through Monday from 9 to 3. Tickets are $5 for adults, $2.50 for those 18 and under. For details, telephone Aspen Highlands, (303) 925-5300.

Hikes. Perhaps the most rewarding way to experience the mountains is on foot. A labyrinth of mountain trails surrounds the Aspen-Snowmass area, and professional guide services offer many ways to discover them. Some organize geology, ecology, and nature tours; others specialize in everything from strenuous climbs to hikes for children.

One of the most popular hikes is a day's excursion into the Maroon Bells - Snowmass Wilderness area. During summer months this area is famous for its brilliant display of wildflowers—so bring your camera. Indian paintbrush, alpine aven, cinquefoil, forget-me-nots, and Colorado columbine spray the alpine tundra with reds, yellows, and blues. The hike begins at Maroon Lake. From June 30 through August 20, Pitkin County and the U.S. Forest Service—(303) 925-3445—provide bus service from Aspen Highlands to the Maroon Lake parking lot. Buses leave about every 20 minutes from 9 to 6; tickets cost $1.25.

Once you're at Maroon Lake, it's a gentle 1½-mile climb to Crater Lake. From there, you get an excellent view of the 14,000-foot double peaks of Maroon Bells (named for their bell-shaped red strata peaks) and rugged Pyramid Peak. The hike takes about an hour each way; maps are available at most area sporting goods stores.

Where to stay

In Aspen and Snowmass there are over 15,000 rooms in hotels, lodges, and condominiums; summer rates may be down 25 to 30 percent from the busy winter ski season. After July 1, make reservations at least one to two weeks in advance. Tour packages and other arrangements can be made through travel agents, airlines, or the hotels and lodges directly. Or contact one of the area independent reservations services:

Aspen Condo Reservations
720 E. Hyman Ave., Aspen 81611
(303) 925-9000

Aspen Reservations, Inc.
Box 4546, Aspen 81611
(303) 925-4000 or (800) 525-4014

Snowmass Resort Association
Box 5566, Snowmass Resort 81615
(303) 923-2000

Villa Reservations
555 N. Mill St., Aspen 81611
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FULL-TIME 4-WHEEL DRIVE. It comes when you order a Chevy 4x4 with available automatic transmission. This gives you impressive off-road and on-highway traction. And all controls are inside the cab so you don't have to get out to lock or unlock the hubs. Conventional 4-wheel drive comes with manual transmission.

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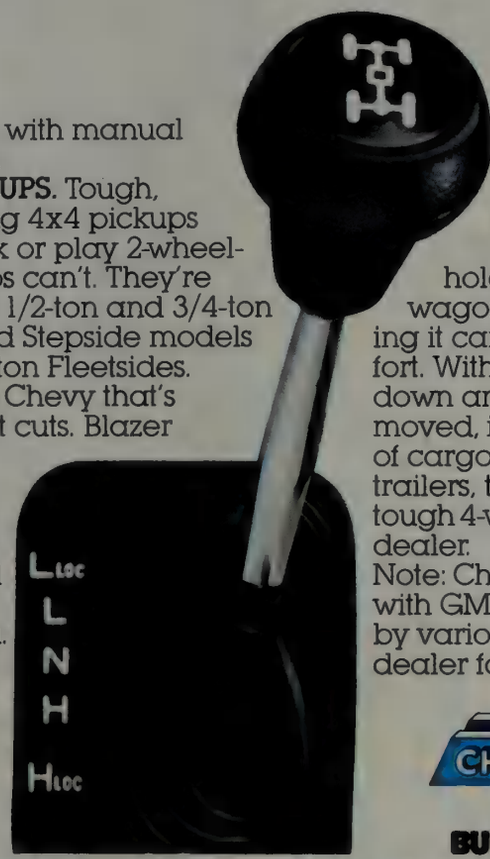
BLAZER. The Chevy that's long on short cuts. Blazer carries up to five with available seating and can still hold plenty of gear. 89.6 cu. ft. with the available new rear seat folded up. A steel front half-top and a removable fiberglass-reinforced plastic top come standard.



SUBURBAN. Super-wagon! It can seat and hold more than ordinary wagons. With available seating it carries up to nine in comfort. With the second seat folded down and the third seat removed, it can hold up to 144 cu. ft. of cargo. Tows a wide range of trailers, too. For more on Chevy's tough 4-wheelers, see your Chevy dealer.

Note: Chevy trucks are equipped with GM-built engines produced by various divisions. See your dealer for details.

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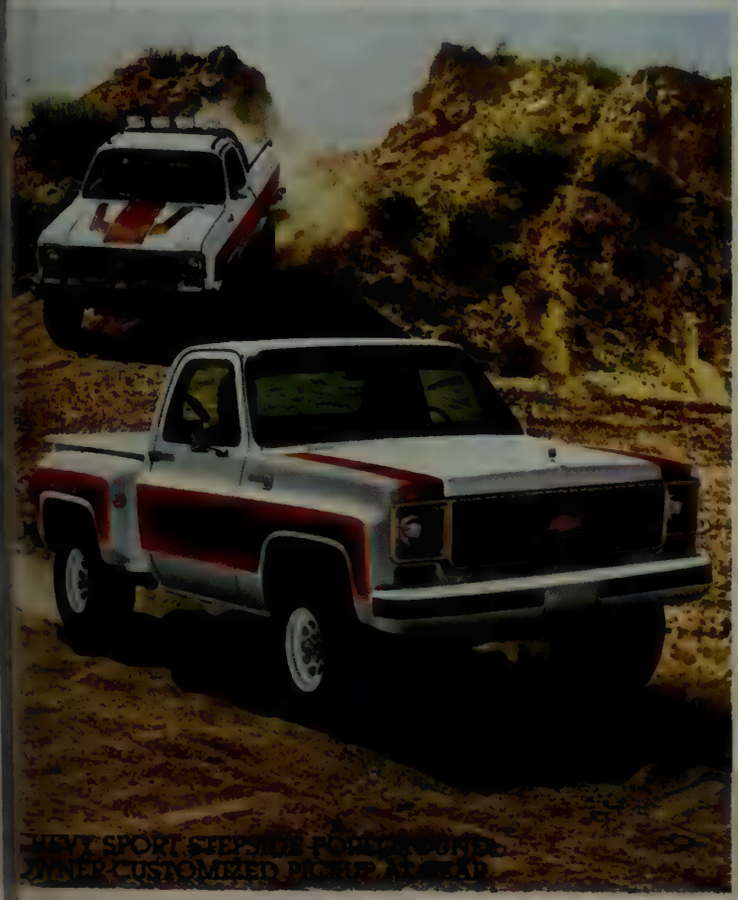

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CHEVY 4WD BLAZER.

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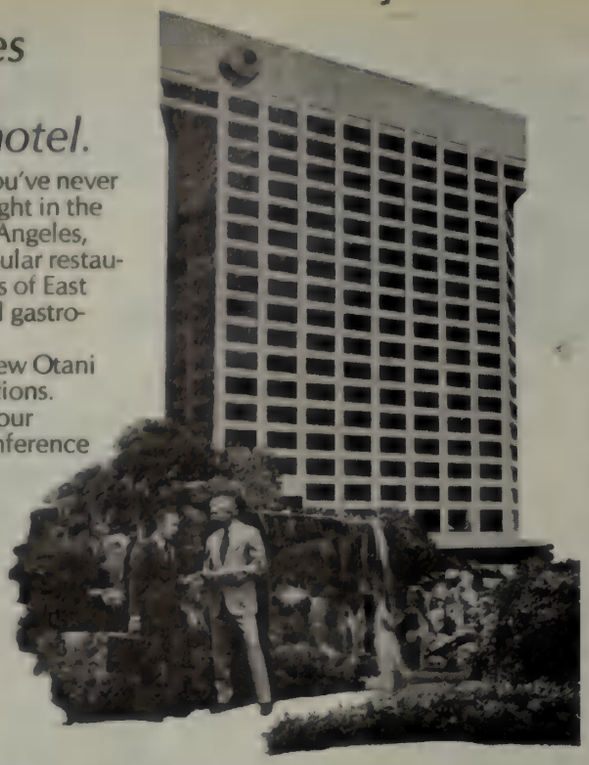

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The New Otani. The hotel with the garden in the sky.

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1974 Vintage

This superior California varietal red wine is made from 100% Cabernet Sauvignon grapes. Full-bodied, with a deep claret color and a fragrant bouquet, this classic wine has a distinct varietal character and a long finish.

The wine aged sixteen months in redwood tanks and fourteen months in small oak barrels, allowing the wine to fully develop in complexity and depth.

Geyser Peak Winery, Geyserville, CA

GEYSER PEAK

Wild Animal Park ...different at night

Prowling around at night in the Wild Animal Park 30 miles northeast of downtown San Diego, you'll hear sounds —like a barking gnu—you don't normally hear during the day.

On nighttime monorail tours conducted through Labor Day, guides use non-disturbing amber lights to point out the nocturnal behavior of wild animals that hide or sleep on warm summer days.

Evening monorail tours are just one reason for a June visit to the park, home to 226 animal species. Some of the animals are threatened with extinction, but many of them are breeding and thriving in the park's open country terrain.

African dance troupe

The Koumpo Senegalese West African Dance Company offers another good reason to visit the park this summer. Performances at 1, 5, and 9 are lively with dance and song, accompanied by thumb piano, water drum, and three-stringed harp. You'll also find the dancers roaming the park in the afternoon explaining their handmade crafts.

Rotating animal shows

Three groups of animals take turns performing on stage. Beginning at 11, shows are conducted every hour; a listing of performances is available at the park entrance.

One animal show features such birds of prey as golden eagles and great horned owls. But the hit of the show is the raven. Surprisingly intelligent, he shows off by untying the shoelace of someone in the audience.

The horse show features a variety of breeds, including thoroughbreds, Clydesdales, and the park's rare Przewalski wild horses. Although these horses once roamed over the Mongolian steppe, the species is now confined to zoos and preserves.

At the third show, you can see both Asian and African elephants.

The park is open from 9 A.M. to 11 P.M. daily (the entrance gate closes at 9 P.M.). The first monorail tour starts at 9:[illegible] A.M., the last one at 10 P.M. Admission is $5.25 for adults 16 and over, $2.[illegible] for youngsters 6 to 15, free for children 5 and under. It covers the monorail tour and all shows.

To get there, drive inland from I-5 to Oceanside on State Highway 78. The park is just off the highway about [illegible] miles east of Escondido.

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of America home improvement loan. While you're there, pick up copies of our Consumer Information Reports. Two of them may be of particular interest to you..."Planning for Home Improvement" and "Solar Energy: Uses for Your Home." They're free, whether or not you have an account with us.

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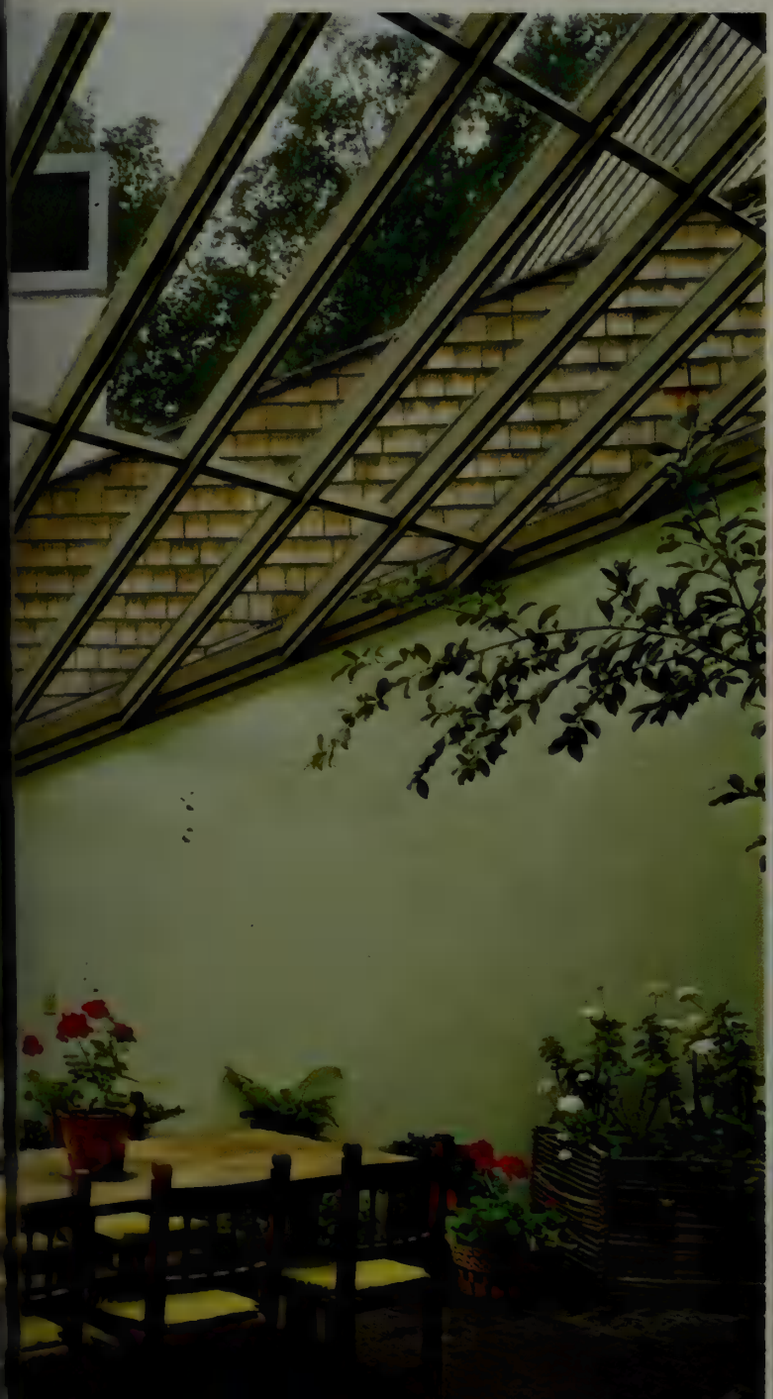

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OLIVER JOHNSON

Spear-carrying *warriors lead royal procession at an ancient temple site during cultural festival at Hawaii's City of Refuge*

Royal procession on June 30 starts 3-day Hawaii festival

Trumpeting conchs used to herald the entrance of the Hawaiian royal family, attending nobility, warriors, and maidens draped in tapa cloth and colorful leis. Such traditions and pageantry will be faithfully re-created Friday, June 30, through Sunday, July 2, during the annual cultural festival at the City of Refuge on the big island of Hawaii.

Called *Pu'uhonau-o-Honaunau* by the old Hawaiians, the City of Refuge was a sacred place where noncombatants and defeated warriors could take refuge during battles, and where *kapu*-breakers could be absolved of their sins (such as stepping on the king's footprints) if they could reach the sanctuary before their pursuers caught them.

Horns of old Hawaii, *wailing conchs are blown through hole cut in spiral shell*

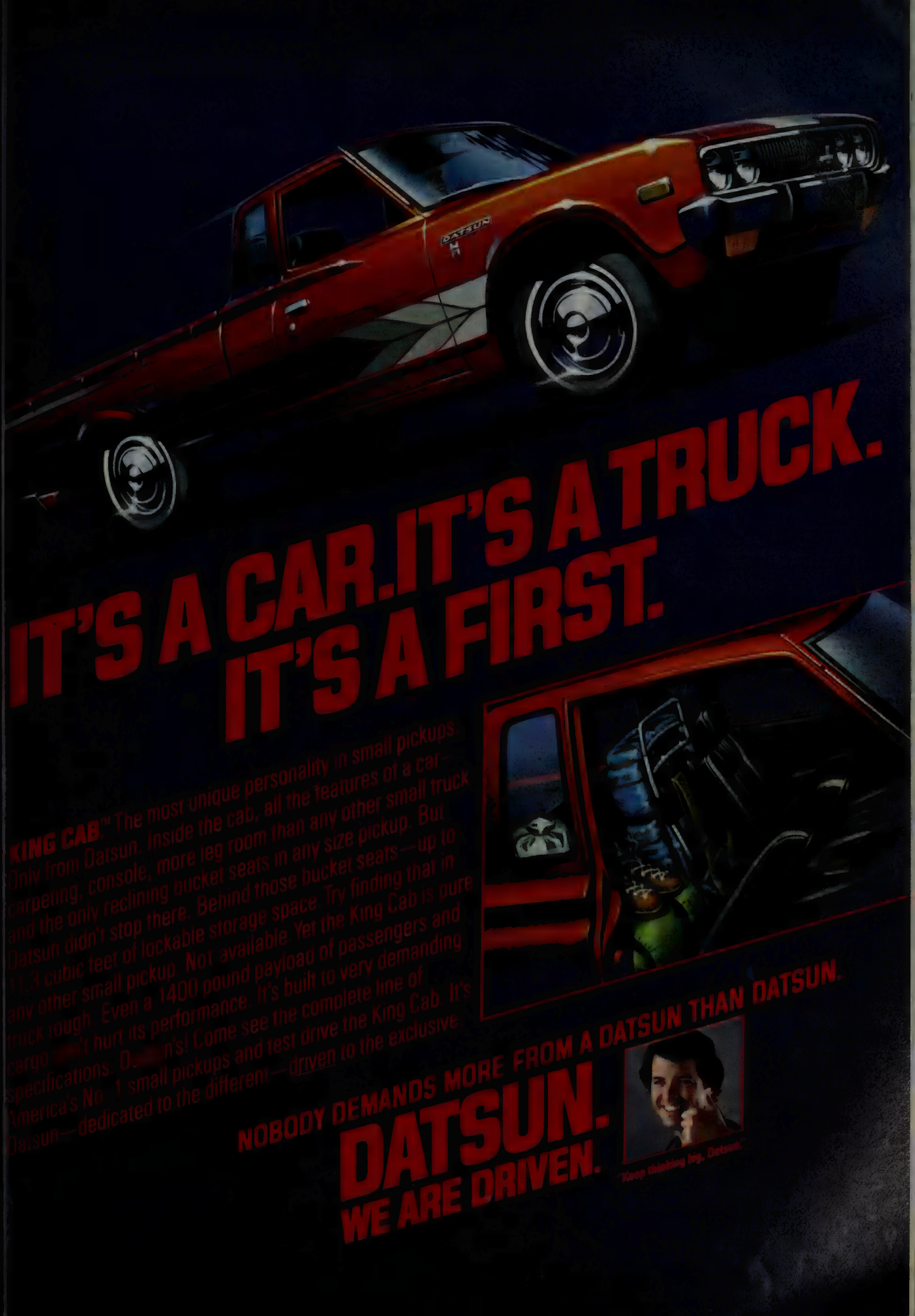
Today City of Refuge is a popular national historic park. Original walls and temple foundations are still in evidence, and restoration work is going on.

Festival action starts Friday at 10 A.M. with a royal procession to an ancient temple. Here the *kahuna pule* asks a blessing from the gods. Later in the day, a new *halau* (long house) will be blessed. The rest of Friday and all day Saturday will be devoted to demonstrations on lei-making, hula dancing, Hawaiian sports, and old ways of fishing and using local plants.

Sunday will feature a *hukilau,* when volunteers drive fish into a cove to be trapped in a large net—just as in the old days, but these fish will be released. There will also be arts and crafts, food-tasting, and music. Sunday's closing procession starts at 3.

City of Refuge's visitor center is open year-round from 7:30 to 5:30 daily. The park itself is open for strolling until midnight. Admission is free. For more information about the festival, telephone (808) 328-2288.

The refuge is about 25 miles south of the Kailua-Kona resort area on Hawaii's west coast. There's no food service near the park, so pack a picnic before you head out. Trail guides are available at the visitor center. Some hotels may be running special excursion buses during the festival.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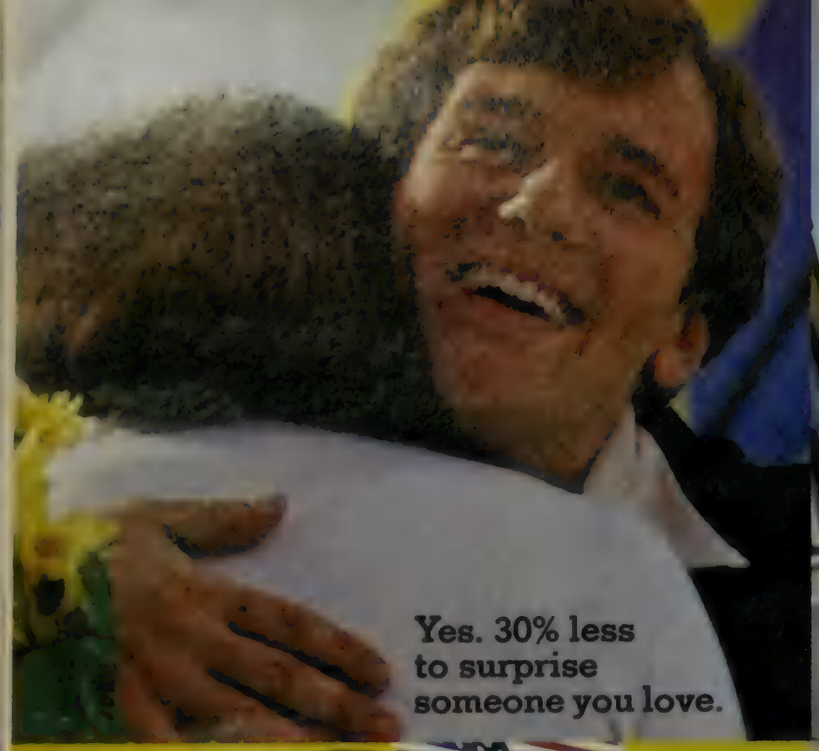

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F LEVY

ll she has to do *is stay with this 2,000-pound bucking bull for 6 seconds. Rider is Amy Iverson, Byers, Colorado, 976 bull-riding champion who still competes in this rough category*

All-girl rodeos . . . now through October

fter years of competing only in pro-essional rodeo's barrel-racing events, merican cowgirls have launched their wn rodeo circuit. Now they compete ith skill in such tough events as calf nd team roping, and even the danger-us bull and bareback bronc riding.

1973 there were only three all-girl odeos. This year the number has grown more than 30. You can see for your-lf how this new brand of woman ath-te performs at seven rodeos scheduled om now through the end of the season October.

ofessional cowgirls range in age from 4 to 60. Many are high school and col-ge students, but others include nurses, omemakers, waitresses. Defending All round Champion Cowgirl Jennifer aynes of Albuquerque was leading in oints again this year at our press time.

ach rodeo features seven events. In ll riding and bareback bronc riding, omen use the same livestock as the Professional Rodeo Cowboys Association (PRCA), but rules differ slightly. Women must ride 6 seconds after the bull or bronc leaves the chute, and they have a choice of holding the rigging with one or both hands. Men must ride 8 seconds, with one hand free.

In calf roping, if the calf weighs more than 250 pounds, the cowgirl only has to rope it. If it weighs less, she also must dismount, throw it, and tie its feet together. Other events are team roping, goat tying, steer undecorating (from horseback, the cowgirl removes a ribbon from the steer's neck), and barrel racing.

Here are rodeo dates in the West now until the San Antonio finals. For information on other rodeos scheduled after our deadline (September ones may be held in Las Vegas and Salt Lake City) write to GRA, 8909 N.E. 25th St., Spencer, Okla. 73084.

June 11, Douglas, Wyoming. At the Wyoming State Fairgrounds; 1:30 P.M.; $2 adults, $1 under 12; (307) 422-3495.

July 13 and 14. Littleton, Colorado. At Arapahoe County Fairgrounds; 7:30 P.M. Thursday, 1:30 Friday; $1 to $2.50; (303) 794-2512 or 794-1654.

July 15, Torrington, Wyoming. At the Goshen County Fairgrounds; 1:30 P.M.; $2 adults, $1 under 12; (307) 422-3495.

August 12, Glasgow, Montana. At Northeast Montana Fairgrounds; 1:30 P.M.; $3.50 grandstand admission. For more information on this or other events at Northeast Montana Fair August 10 to 12, call (406) 228-2222.

August 19 and 20, Red Bluff, California. At Tehama County Fairgrounds, 2 miles east of Red Bluff on Antelope Boulevard; 1:30 P.M.; $3 adults, $1 under 12; (916) 527-3421.

August 27, Jackson, Montana. At Jack Hirschy Ranch arena (between Wisdom and Jackson on State 278); 1 P.M.; $1.50; (406) 689-2500 or 689-2588.

October 6 and 7, San Antonio, Texas. All Girl Rodeo National Finals, at Joe Freeman Coliseum; 6 P.M. Friday, 2 and 7 P.M. Saturday; $3.50 general, $5 box; (512) 224-2925. □

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WESTERN INTERNATIONAL HOTELS IN HAWAII

Beneath *diagonal awnings, outdoor show brings together art, music, and dance in downtown Salt Lake City*

Arts festival in Salt Lake City

A salute to the arts last year in downtown Salt Lake City was such a success that this year the city is repeating the festival—and it will be bigger, splashier and longer.

The free bash, running from June 14 through June 18, celebrates both the performing and fine arts. Spreading out over Main Street from Second South Street to Third South, it will feature music and dance on two stages as well as a juried show of the work of more than 70 artists.

Food booths will provide you with a snack while you browse along the aisles of sculpture, pottery, and oil and water color paintings. At a children's art yard youngsters can learn how to make puppets, apply theatrical makeup, or paint with watercolors.

At a small stage musicians and singers will perform daily, while a large stage at the Third South Street end will be the scene of free performances beginning at 7:30 each evening: the Utah Symphony on Wednesday, Mormon Tabernacle Choir on Thursday, Ballet West on Friday, and Repertory Dance Theater on Saturday.

Festival hours are Wednesday 6 to 9:30 P.M., Thursday through Saturday 11 A.M. to 1:30 A.M., Sunday 11 A.M. to 6 P.M. Parking is available in lots on adjoining side streets.

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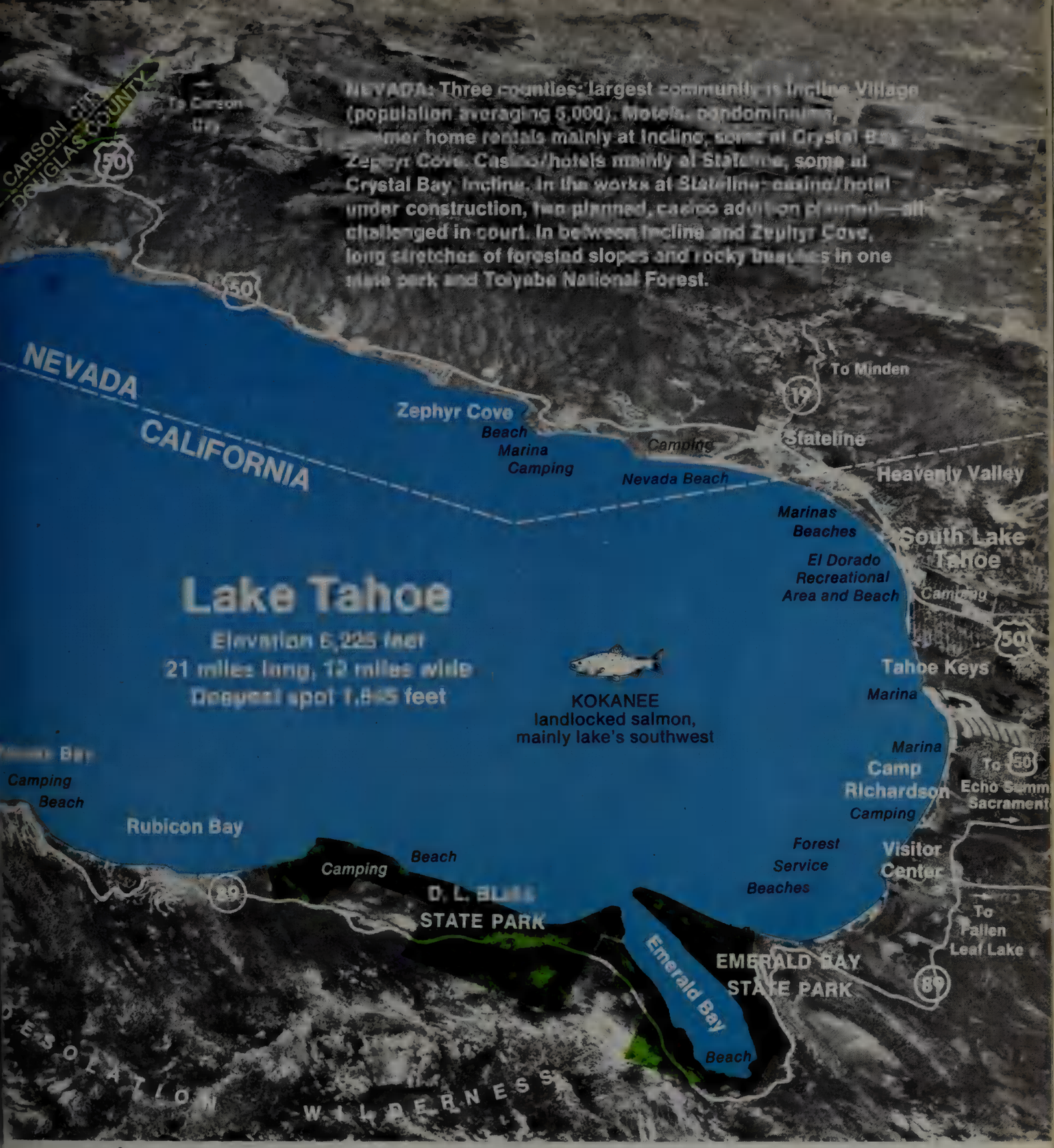
We invite you to take part in a close an

This article is a special kind of guide to Lake Tahoe.

It is not the usual *Sunset* travel report. Here we'd like to help you discover or rediscover some of Tahoe's old-fashioned pleasures—but also to help you understand Tahoe's contemporary troubles and the plans to deal with them.

Tahoe is still one of the most glorious places on this planet. It is the biggest high-mountain lake in North America. It is the third deepest lake in North America. It is one of the very clearest large lakes in the world.

It is also one of the West's most popular vacation spots. More than 15 million visitors a year come to the Lake Tah Basin for the multi-blue beauty, pin scented air, summer sun, winter skiin and Nevada's gaming and shows. Sin the 1950s the basin has gone from a qui summer retreat to a year-round nea metropolis with traffic, crowds, sprav and all the services needed for a perm



oncerned look at Tahoe

ent population. There is now measur-
ble air pollution. And—the unthink-
ble—there are measurable changes in
e lake's water quality.

oin us as we look at the troubles, the
tempts to correct them, and some
romising new plans—for this could
rn out to be a crossroads year for

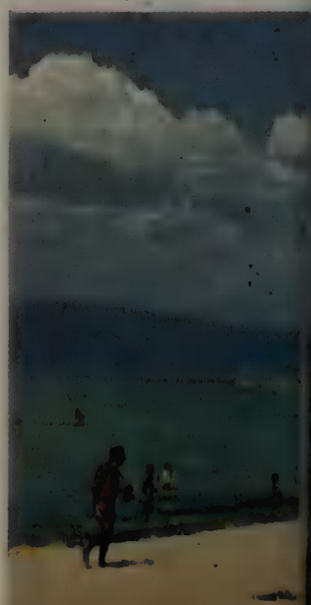
Sunset THE MAGAZINE OF WESTERN LIVING JUNE 1978

Find your own level *of boating skill. At right, two paddlers on inflatable raft have quiet Nevada cove almost to themselves. Their beach is accessible only by boat or on foot. Below, young sailor in cat-rigged fiberglass boat runs before afternoon wind. Even this close to forested west shore, water may be 800 feet deep*

NORMAN A. PLATE

Lakeside dining. *At left, it's a picnic under pines at Nevada Beach. Above, first course by sunset at Le Petit Pier in Tahoe Vista*

Tans *come quickly when sun reflects off bright beach at Sand Harbor*



JERRY FREDRICK

Classic view *of Emerald Bay attracts lone painter and two sightseers. Eagle Point juts into water; beyond is Nevada shore*

The timeless pleasures of Tahoe ... on the beach, on the water, in the water, up high looking down

Tahoe. But first let's start with a look at what makes Lake Tahoe so glorious: the year-round beauty and the summer fun. A quick swim will leave you breathless from the 6,225-foot altitude—and tingling from the water, which averages about 62° even in midsummer. For swimming and sunning, you can choose from two dozen or so public beaches indicated on the map on the previous page. The biggest sandy beaches are on California's south and north shores. Nevada has only three officially marked public beaches, but its steep, rocky slopes conceal a number of secluded coves reachable only by boat or a short hike.

At marinas scattered around the lake, you can launch your own boat or rent a paddleboat, rowboat, canoe, jet skis, kayak, sailboat, or motorboat for water-skiing, fishing, sightseeing. Some marinas also offer water-ski and sailing lessons. Excursion boats—including a sailboat and a paddlewheeler—depart mainly from Zephyr Cove and the south shore. They'll take you to Emerald Bay or just out on the lake for an hour or two; some offer special dinner cruises.

Lake fishing continues to be surprisingly good, although it's nothing like 1880 when commercial fishermen pulled out 70,000 pounds of native cutthroat trout —now extinct in Tahoe. Kokanee salmon and Mackinaw, rainbow, and brown trout introduced since then have prospered and provide most of the action today. Several fishing boat operators have special tackle to catch deep-water Mackinaw averaging 5 to 15 pounds, with some up to 30 pounds. Shore fishing generally pays off with planted rainbows. Ask at local shops for advice, guides, and fishing maps and brochures.

Of course, for many people the real pleasure of Tahoe is visual—the lake's sublime range of colors and its exquisite clarity.

As you drive around, the lake most

ROBERT C. RICHARDS

Testing the water. *Left, Tahoe Research Group prepares to lower probe to study lake's thermal layers. Center, underwater camera with strobe will photograph canyon at 1,000-foot depth. At right, clear water in left-hand jar was collected 3 miles from shore, middle jar 1½ miles; right-hand jar, collected near mouth of Upper Truckee River, shows algae stimulated by river's input in spring*

What's happening to Lake Tahoe's water? From 20 years of University of California testing, some disturbing pictures

Muddy creek *carries excessive sediment into lake. This happens when upstream watershed is disturbed*

Lake bottom *changes are apparent in underwater photograph. Rocks 8 feet deep were clean, now are covered with furry algae stimulated by nutrients in runoff from disturbed watershed*

ften strikes you as a vast sheet of steely oble blue. Stop for a look at Emerald ay and you'll notice the bluejay blue lending with the rich green of shal- ower water as it reflects conifers on earby steep slopes. Go out in a boat to eep water and you'll be surrounded by idnight blue, almost black. Nearer to ore, look down and you may see fish s deep as 100 feet.

Vhat makes Tahoe for the most part ill so clear? The main reason is that it as very few sediments such as soil and ineral particles, and very little algae. Vater enters the lake almost directly om snowmelt by way of 63 streams; ater leaves only through the lower ruckee River at the north end.

n scientific terms, Tahoe is infertile. Its ibutary streams have brought in few the nutrients (nitrates, phosphates) at support algae and other plant life. hese are the nutrients that foster the owth you see in many other lakes.

nd, as lakes go, Tahoe is youthful. But e all lakes it is undergoing an aging ocess called eutrophication. Gradually er many eons, the streams will bring elements that will lead to growth of gae, loss of clarity, and change of lor from blue to green.

essons from the water

an is speeding up this natural aging ocess. Dr. Charles Goldman of the ahoe Research Group of the Univer- y of California at Davis has been udying Tahoe's water since 1958. He ys, "The lake's water has undergone w but clearly visible deterioration ring the past several decades."

u can see some of the signs yourself: ossy-looking algae called periphyton tached to piers and rocks; slime on at hulls, ropes, piles; muddiness near ore; and a greenish algae "bloom" at sometimes shows on the edges of e lake, especially at the south and uthwest corners during spring runoff.

e Tahoe Research Group attributes ese signs to an increase in sediments d nutrients entering the lake. (In the t 10 years, they measure a 50 percent crease in algae production.) And the diments are traced to disturbances in e watershed: removing vegetation by ding for roads, homes, and other uctures leads to the erosion which oner or later ends up in the lake.

hat's happening on the shore

anges taking place around the lake e even easier to detect. Just look at h-rises poking above the forest, the mble of signs and strip developments cking views of the lake. Or spend sev- l minutes waiting to turn left off U.S. . Or notice the smoggy haze that at nes obscures the view of mountains ross the lake.

(Tahoe's air used to be so clear—and sometimes still is—that many pioneers underestimated the lake's size. In 1844, John C. Fremont, the first to record the lake, was short by 6 miles when he guessed it to be 15 miles long.)

Tahoe began to change in the early 1950s. Then it was almost entirely a summer resort area, with a few woodsy motels, rustic cabins, three small casinos, and big summer homes with long piers and mahogany speedboats. There were perhaps 2,500 permanent residents, maybe 36,000 people during the peak of summer. You'd have been lucky to find a market with fresh meat.

Today there are a dozen supermarkets where you can buy not only fresh meat but fresh seafood as well, at prices that compare with those in lowland California. On a busy summer day there may be 186,000 people around the lake; the permanent population now is about 45,000.

The boom came when the basin became an all-year attraction, when the new ski resorts started drawing winter visitors and the casinos grew in size and numbers. In 1960, expanding Squaw Valley hosted the Winter Olympics. Today the basin has one of the biggest concentrations of ski resorts in the world. Casino patronage now ranges from 850,000 in November to 2.2 million in August.

Today in midsummer, some 55,000 cars a day drive across the state line at South Shore. And they produce smog that at times exceeds federal and state air quality standards. According to studies by Dr. Thomas Cahill, also of the Tahoe Research Group, Tahoe's air quality in general compares to that of the urban

What's happening on the Tahoe land? More and more people, cars, smog, erosion, argument

JERRY FREDRICK

Friday afternoon *in August at South Shore, just west of Nevada's casinos. Some 55,000 vehicles a day pass California's motel row along four lanes of U.S. 50*

TERRY FREDRICK

Wildlife watching. *Crayfish is Tahoe's natural scavenger—and an edible delicacy. This one was caught with bacon on string. Beavers cut down aspen at National Forest visitor center*

San Francisco Bay Area. As measured around parking lots, the levels of carbon monoxide and hydrocarbons on some days exceed those in downtown Los Angeles.

Because the basin is bowl-shaped, air inversions that are common in summer often trap pollutants. In other words, Tahoe is naturally smog-prone.

Enter the TRPA

Managing growth during the boom years was especially complex with the snarled political jurisdictions in the Tahoe Basin: five counties, one incorporated city, two states, and as many as 60 additional agencies and authorities. In 1969 the two states with the ratification of Congress created a first-of-its-kind bi-state agency: The Tahoe Regional Planning Agency (TRPA).

TRPA's mission: to form a regional plan, adopt ordinances necessary to protect the lake, and balance the area's natural beauty with orderly development. Both states as well as local governments were represented on its governing board. It was hailed as futuristic. It was extremely controversial, and still is—see page 98.

In 1971 TRPA developed a land-use plan based on the land's capacity for development. It has produced land-use ordinances covering subdivisions, grading, tree removal, breakwaters, land fill. By reviewing most projects built at Tahoe, it has affected the kinds of developments and probably deterred or slowed down some of the largest ones.

In 1973 California officials felt TRPA wasn't doing enough to safeguard Tahoe and revived an earlier agency: The California Tahoe Regional Planning Agency. It has more stringent standards and includes more public members from outside the basin on its governing board.

Final straw for many critics of TRPA came recently when it did not head off four major casino projects at Stateline—even though an agency study indicates these will double the present gambling facilities, the number of hotel rooms, the number of employees, the volume of traffic. In effect this would double the city of South Lake Tahoe by adding some 24,000 permanent residents. The projects have been challenged twice in court, to little avail: One casino is scheduled to open in July, the other three are still being planned.

In some ways things are getting better

While much of the news from Tahoe has been troubling, public agencies and concerned citizens have been working hard to preserve and improve the area.

SOUTH AND WEST SHORES

Tahoe getting better? New parks, trails, bikeways. Even more crayfish

New parks have opened. Fences have come down, and today there are more beaches open to the public than ever before. There's a growing system of bike trails. During the last 10 years the U.S. Forest Service has quietly bought, traded for, or been given 30,000 acres (some 67 percent of the basin is now in public ownership). Even the crayfish population is burgeoning, which is good news for the lake (crayfish help clean it up) and for connoisseurs of this relative of the lobster.

Join us on a tour around the lake to look for the results of recent actions and visualize things to come.

South Shore. This is where most of the lake's urbanization has occurred—in both states. In Nevada this includes Stateline, with 7 casinos and some 1,500 hotel rooms. In California, it's the city of South Lake Tahoe, with about 4,500 motel rooms within ½ mile of the state line.

On a busy day, traffic creeps for 5½ miles from Stateline back to the Y (intersection of U.S. 50 with State 89)

On brink *of lake, west-side bike trail—paved and separated from traffic—gives views of boats and Nevada mountains*

Tahoe's growing bike trails

By summer's end, up to 17 miles of trails will provide safe, easy biking along with some grand views of the lake. (Hardy types ride the whole 72 miles around the lake, but sections of highway are steep and dangerously narrow.)

The longest paved trail starts northeast of Tahoe City; there's a short interruption in town.

South Lake Tahoe has completed more than a mile of paved, separated trail near El Dorado beach. By the end of summer a marked, partly paved trail may extend from the Y to Stateline.

Near Camp Richardson, a delightful paved trail goes 3½ miles through forest, over streams, close to three National Forest beaches. Later this summer or next year, Caltrans plans to experiment with a bike ferry, which would bypass the hazardous road around Emerald Bay. For a guide to biking at Tahoe, write to Caltrans, Box 911, Marysville, Calif. 95901.

Hang tight *for just another 50 yards, then the trail levels off at a big clearing in new hiking area near Page Meadows*

Shops, signs, and motels line this stretch of highway in typical strip development fashion. Along here also are some of the lake's longest sandy beaches, if you know where to look.

Regan Beach and adjacent El Dorado Beach together have ¾ mile of lakefront near the intersection of U.S. 50 and Lakeview Avenue. Regan (main access at Sacramento Avenue off Lakeview) has an expanded parking lot and new landscaping with playground.

Just to the west, Barton Beach is accessible only by boat now, and may have a floating restaurant later this year. The beach is at the edge of the big meadow next to Tahoe Keys, a private development built in the upper Truckee River's marsh—before TRPA.

It's still surprising how quickly you can escape the hubbub of South Shore. At the Y, just head north on State 89, and soon the road narrows to two lanes and the trees close in on both sides—you're in El Dorado National Forest, which includes Camp Richardson with its lodge, marina, campgrounds, and stable.

Stop for a visit at the visitor center, one of the Forest Service's first public facilities in the basin. Nearby are hundreds of acres of forest and meadows and nearly 3 miles of lakefront at three separate beaches. You can choose from several 15 to 60-minute walks: to the lake, through the forest, up Taylor Creek with its beaver dams and trout. The Stream Profile Chamber gives you a close-up look at trout in natural conditions. You can also find out about guided tours, nature walks, wilderness hikes.

North of here, pause at the Emerald Bay overlook if you can find a place to park. A trail here leads down to the bay, its beach, and Vikingsholm Castle (open for tours). The two state parks around Emerald Bay have some of the lake's most attractive campsites.

West side. From Emerald Bay north to Tahoe City, you're in old Tahoe, with lakefront houses set back in dark forests. This area also is growing, especially with condominiums around Tahoma. Two ski areas at Homewood now keep things going all year—this side of the lake has the basin's deepest snow.

Stop at Meeks Bay, once a classic Tahoe resort with a big lodge, cabins, dance floor, and a shallow cove full of swimmers and boats. After some downhill years, it's now an example of Forest Service innovation.

In the early 1970s, plans for Meeks Bay included 1,800 condominiums and a golf course. Instead, the League to Save Lake Tahoe stepped in and, with the help of a donor, purchased the property —until the Forest Service could buy it.

Today the Forest Service owns 600 acres at Meeks Bay, including the old resort which now operates under a lease for public use. Dilapidated structures are being removed and the big white beach is being expanded. A $1.50 parking fee lets you use the beach; motel units and cabins are available. South of the resort the Forest Service is working

campgrounds and a beach picnic area which may not open until 1979.

About 2 miles north in Tahoma, a stone fireplace and foundation are all that's left of another old resort, Chambers Lodge. Plans to develop the property for condominiums hit several snags. The state and Forest Service have been asked to consider purchasing it.

North of here you can hike for 2 or 3 miles through another kind of Forest Service acquisition—some 280 acres of upland meadow, wildflowers, and forest near Page Meadows. Main trail, marked "Page Meadows," starts off Ward Creek Boulevard about 2 miles west of Sunnyside; inquire at the Forest Service visitor center in Sunnyside.

North Shore. Tahoe City (actually an unincorporated county area) has shops, restaurants, motels. So does Kings Beach near the state line. Both show some of the clutter and congestion of inadvertent urbanization.

At Tahoe City's busy main intersection, crowds often gather at so-called Fanny Bridge over the Truckee River, where you can look down at venerable rainbow and brown trout. The state of California plans to acquire the nearby gatekeeper's cottage; it will be restored for historic interest.

At the east edge of Tahoe City is almost-always-packed Tahoe State Recreation Area, with a beach and a campground. The California state park system recently acquired 600 adjacent feet of lakefront, including pier, plus 1,900 acres of upslope forest near Burton Creek. There is no public access yet.

Biggest public beach at this end of the lake is sandy, shallow, 7-acre Kings Beach State Recreation Area. With help from the League to Save Lake Tahoe, the state purchased the property from the Joseph King estate in 1974.

In the mountain backdrop between Tahoe City and the state line, the Forest Service now owns 10,000 acres of forest—including sections that were planned for development. Dirt roads and trails to tiny Watson Lake and other spots lead off State 267. To explore the area, ask at one of the visitor centers.

Sprawling new North Tahoe Regional Park in Tahoe Vista occupies 108 acres in the pines above the lake; turn off North Lake Boulevard at National Avenue. The North Tahoe Public Utility District developed it after filling in old sewage ponds. There are hiking trails through the forest, a ½-mile nature trail, tennis courts, picnic area, and a challenging parcourse.

Nevada side. Except for Crystal Bay, Incline Village, Zephyr Cove, and Stateline, the east shore of the lake is mostly wide open space. Long-range plans propose relatively little development.

Compared to South Shore, the North Shore casino area is quiet. After a vigorously contested vote of TRPA earlier

JERRY

New parcourse *in forest challenges y with body twists at stop 7*

this year, one hotel gained approval t add 147 rooms; present plans allow on more North Shore casino. Incline Villag has one major casino now, could hav more; one is reportedly planned.

South of Incline Village, you can enjo a scenic drive through state park an national forest. Beyond the Washo County line, many people park alon the road and walk down steep trails t the rocky beaches (some spots are fa vorite haunts of nude sunbathers).

Try to spend some time at Zephyr Cov a faded beach resort much like Meek Bay. Today it's still a lively place wit campground, restaurant, fine swimmin beach, boat rentals, volleyball. Three ex cursion boats dock here: the paddl wheeler *M. S. Dixie*, the fast *Highwat Princess*, and *Woodwind*, a 41-foot sai boat. The property is zoned for reside tial use and is now for sale. U.S. Senato Laxalt of Nevada has introduced a bi that would allow the Forest Service t purchase 415 acres at Zephyr Cove.

At Nevada Beach (very popular cam ground, picnic area), you can enjo some more new parkland. Recent Fore Service purchases added 360 feet o lakefront at the south end of the lon beach. Uphill from the beach is anoth new area: 236 acres of meadows an second-growth pine forest that may b used to enlarge the campground.

Between the new park and a mobi home park, notice the big meadow. I the southeast corner is one of the pro posed casino sites that Nevada and Cal fornia congressmen and senators wa the Forest Service to buy. The other just south on U.S. 50, right behind th Lake Tahoe Wedding Chapel and Lo Building.

Dining under pines or next to the lake

On the north and northwest shores of the lake, a handful of restaurants—offering pizza to *Pheasant Braise Forestiere*—let you enjoy Tahoe's fresh air and lake views while you dine. These serve lunch and/or dinner outdoors when the weather's good, generally from mid-June to mid-September. Remember that evenings cool off quickly.

Le Petit Pier, 7252 N. Lake Boulevard, Tahoe Vista; (916) 546-4464. French, elegant. Deck over lake; see page 90.

Bon Vivant, 7046 N. Lake Boulevard, Tahoe Vista; 546-5888. French. Patio dining right next to lake.

Pelican's Wharf, 850 N. Lake Boulevard, Tahoe City; 583-6983. Steak, seafood. Deck with view, in new shopping complex.

Lake House, 600 N. Lake Boulevard, Tahoe City; 583-2222. Pizza, Italian sandwiches. Deck overlooking lake.

Sunnyside Resort, Sunnyside; 583-4226. Continental, "famous French-fried zucchini." Deck next to marina.

The Squirrel's Nest, Homewood; 525-7944. Salads, sandwiches, homemade soup and desserts. Lunch only. Outdoor dining under pines and banners (see at left) behind artsy shop converted from old garage.

Old paddlewheeler *M.S. Dixie takes 350 sightseers from Zephyr Cove across lake to Emerald Bay*

NORTH AND EAST SHORES

New forest park, plans for Zephyr Cove, more beaches, bigger beaches

Summer bliss *at Nevada Beach—until a motorboat comes by. Expansions at park here include more beach at right, more forest*

NORMAN A. PLATE

A symposium for *Sunset* readers

What's best for troubled Tahoe?

Talking Tahoe: *state, county, city officials; members of two planning agencies; conservation spokesman, Sunset staff*

A few weeks ago we held a one-day symposium at *Sunset's* headquarters. The subject: What are the best ways to deal with Tahoe's troubles?

Several long-range and short-range proposals came up.

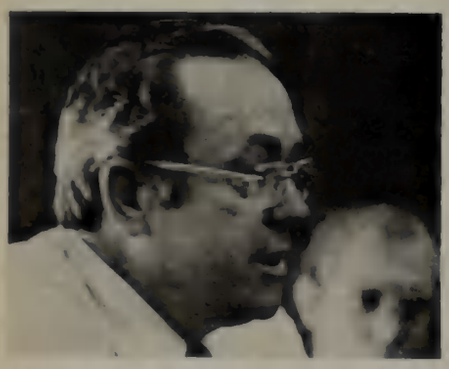
One plan is for the U.S. Forest Service to buy two Stateline casino sites as soon as possible. (U.S. Senator Cranston of California has indicated that this may well happen if the plan also puts limits on casino expansion elsewhere.)

And California's Secretary of Resources has proposed a far-seeing plan to make the whole Tahoe Basin a National Scenic Area under federal supervision.

The most heated topic was the two-state Tahoe Regional Planning Agency (TRPA). Is it doing what it set out to do? Should it be modified or scrapped?

TRPA has been controversial since it was created in 1969 to manage growth at Tahoe (see page 94). Some criticize TRPA's restrictions on building; just this spring the agency began holding in abeyance major "traffic-inducing" projects, in response to a federal order to improve air quality in the basin. Others feel that TRPA has not controlled development adequately. For instance, Jim Bruner of the League to Save Lake Tahoe calls it a "major and reprehensible" disappointment. TRPA has approved 95 percent of the developments proposed to it. Its guidelines allow for a peak summer population of 475,000.

Main criticisms center around some built-in TRPA weaknesses: the majority that local interests have on the governing board (6 of the 10 votes); the "dual majority" rule (a project can go ahead unless a majority of both the California



Norman Woods, Mayor, South Lake Tahoe

"Are we going to limit the number of people?"

"It's a disgrace that the two states can't get together for the well-being of Lake Tahoe. Locally we forget the state line. I represent 22,000 people in California absolutely tied to Nevada gaming. That's their livelihood. What happens on the Nevada side affects everything we do, and vice versa.

"I think the real gut issue is: Are we going to limit the number of people at Tahoe? I think local people are willing to address that, but we have to satisfy that person who has bought a piece of property, paid taxes, paid for improvements—and now we are telling that person, *Sorry, you can't build on your property*. If you can't build on it, it's worth absolutely zero.

"I'd say that 90 percent of our problems could be solved tomorrow if we could raise the money to buy that property and put it into public ownership."

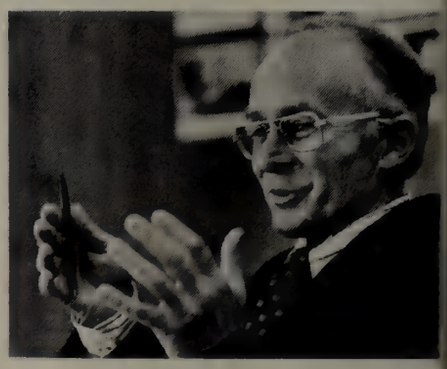
Huey D. Johnson, Calif. Resources Agency

"A National Scenic Area . . . it's a flexible concept"

"The solution I propose—a National Scenic Area—is based on proven success with places such as Point Reyes National Seashore and Sawtooth National Recreation Area. It's a flexible concept. It could deal fairly with Tahoe's special conditions.

"People at Tahoe would continue to live undisturbed in their houses. Each community would retain independent control of its own destiny—water and police and education and sewer systems—all under federal standards.

"There is a problem with equity for lot owners who can't build because of a shortage of utility and sewer facilities. But I believe a country as wealthy as ours should be able to compensate these land owners. The NSA concept makes this possible through land exchange or purchases by the federal government."



Gordon Hooper, Chairman, CTRPA

"People say, 'Don't hurt me'"

"Local people say they want to save Tahoe, but they also say, 'Don't hurt me while you're doing it.' All of us have to give. Tahoe belongs to more than just those of us who live here; it's for the citizens of California and Nevada and the United States as well as the entire world.

"If the counties, or TRPA or CTRPA had totally grasped the situation, there would be no need for a National Scenic Area proposal.

"The California TRPA—keep in mind this is the most restrictive government we have at Tahoe—still allows for a doubling of today's population. Lord only knows where they're going to live, how they're going to travel around, and what they are going to do when they get here."

GLENN CHRISTIANSEN

and Nevada representatives turn it down); the lack of control over casinos.

Legislatures in both Nevada and California have proposed bills to revamp TRPA—with no results. But in late spring Charles Warren of the President's Council on Environmental Quality began working with officials from both states to modify TRPA drastically. Watch for news of the outcome.

More news will be coming. This is a year when some big decisions will be made about what kind of place Lake Tahoe is going to be. □

Dr. Charles R. Goldman, Tahoe Research Group, University of Calif., Davis

"Tahoe would turn green"

"I made a prediction in the early 1960s that Tahoe would turn green if pollution from sewage continued. If sewage hadn't been exported from the basin by the late 60s, the lake would certainly be extremely green by now.

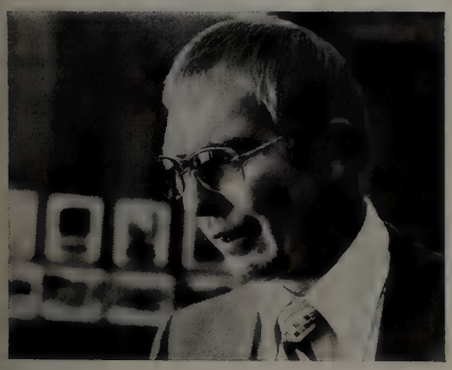
"There probably isn't a lake of this size anywhere in the world that is more sensitive to man's influence. Watershed vegetation is what protects the lake from excessive sediment and nutrients. It prevents erosion and keeps most of the plant nutrients recycling on land. That's why it is so important to protect the vegetation around the lake."

Jean Stoess, Washoe County Commissioner, Nevada

"I worry about saying yes to development"

"We really need more information on which to base our decisions. There's a real demand for tourist facilities, service industries and residences. Exactly what kind of projects can we tolerate? How much traffic congestion? Will a project damage the environment, impact schools, and cause other disruption?

"I worry about saying yes to development—that's an irreversible decision."



John L. Meder, Nevada State Parks

"One of the largest concessions Nevada has made"

"On the Nevada side, we have a commitment that TRPA is still a viable organization, needs some correcting and modifying, but is the best vehicle to deal with Tahoe's problems. We're not ready to throw in the towel.

"The Nevada legislature went a long way in addressing changes in the bi-state compact. We're taking a very strong position on limiting gaming, and that has to be one of the largest concessions the people of Nevada have made.

"We've identified the areas where gaming could be allowed—where hotels have already been approved. I think this goes hand in glove with the federal proposal to acquire the casino sites at South Shore. But there's really not much point in picking up a couple of casino sites if there are 10 or 12 that could be developed farther on down the road."

Lloyd Krause, League to Save Lake Tahoe and Sierra Club

"An irreplaceable resource"

"Tahoe really is a national treasure, a unique and irreplaceable priceless resource. The Sierra Club and the League support designation of the Lake Tahoe Basin as a National Scenic Area to be managed by the U.S. government. We urge also that government property that is not environmentally sensitive may be traded in payment for private land at Tahoe. This has high priority.

"The big question is how to finance an NSA and how to deal equitably with the various property owners. At the same time we all need to work on solutions to move those private lands from willing sellers into public management.

"There's nothing we can do quickly or easily or inexpensively. The unthinkable becomes thinkable when you get some time."

Douglas Leisz, U.S. Forest Service

"Will we purchase the two casino sites?"

"It's time to revise the compact between Nevada and California. The bi-state effort hasn't been a failure. It's a qualified success.

"But the original TRPA compact failed to deal with the scale of development under way, the opportunity for major new casinos, the problems of traffic congestion. And it didn't establish a reasonable level for development.

"We also need to continue public acquisition of areas where development plans are inappropriate.

"Will we purchase the two casino sites? We're extremely interested in congressional action that would provide the funds. But we have to insist on guarantees that no additional sites will be approved and no existing facilities expanded."

DON NORMAN

Breaking *the confined 20 by 20-foot box of old garage, window niche cantilevers from rear corner to bring light and air into new room; within are built-in cushioned benches that can serve as beds for overnight guests*

Stripped *of a dormer and opened to the outdoors, former garage (top picture) has become garden room and sometimes guest hous*

Old Portland garage now is garden room for parties, overnighters

In Portland, a garden room grew from an old garage. Where Mildred McGilvra once turned in from the street to park her car, she now has a formal stroll garden of paths, plants, and reflecting basins—a lovely focus for summer entertaining.

To begin the remodel, designer Richard W. Painter gutted the interior. He ran a V-shaped beam (which also serves as a light trough) between the end walls to help stabilize the building. And he devised a glass-roofed window niche.

Plywood seating and sleeping benches, storage cupboards, counter space, and a barbecue grill fit the room for summer entertaining and overnight guests. Under the glass roof of the cantilevered niche, a guest can fall asleep by the light of the stars or the intimate sound of rain. □

NORMAN A. PLATE

Projecting *greenhouse unit brings north light into the studio, also provides additional counter space and storage*

Tight *two-car garage built for autos of the '30s (top picture) was transformed into a spacious art studio*

HARLEY E. JENSEN

Old Berkeley garage now is north-lighted working studio

In Berkeley, painter Robert A. Bechtle needed space where he could paint, not an outdated stucco garage—and so the old garage gave way to a handsome, well-lighted, eminently usable working studio.

All but the two walls along the property line came down. Designer Harley E. Jensen began by leveling the old, sloping concrete floor in readiness for new tongue-and-groove flooring. He angled the roof up to a peak on the north side, where it abuts a prefabricated greenhouse projection, creating a light, pleasant indoor environment.

Bricks set in sand replace the concrete driveway and form a patio space. An overhead trellis extended from the main house works well to connect it with the studio. □

MICHAEL SPECTO

Jamming in MacArthur Park: *Mike Silverman's Dixieland Band, left, and Teddy Buckner's Dixieland Band played at an annual day of music for picnickers, presented by the Music Performance Trust Fund last summe*

Jazz in L.A.

Concerts all summer. Many are out-of-doors, most are free

The music scene is jazzier in Los Angeles than any place else in the West. And this summer, more jazz is free than ever before.

As the heart of the entertainment world, Los Angeles is uniquely qualified to provide a continuing flow of top-notch talent. Musicians of widespread fame, as well as up-and-coming unknowns, will play in all manner of styles from Dixieland New Orleans to richly symphonic contemporary jazz; from sounds soft and mellow to electronically shattering.

Noteworthy in the following list is the number of outdoor concerts, many of them sponsored by industry, the musician's union, and city, county, state, and federal governments. One common goal of the financial backers is to give jazz more exposure to young listeners, who are usually excluded from the nightclubs where jazz is played.

Some schedules were still evolving at our press deadline; it's always wise to call ahead to confirm times and places.

John Anson Ford Theatre Jazz Concert Series. Popular free Sunday concerts, now in their 12th year, showcase noted jazz players. Site is the outdoor amphitheater at 2580 Cahuenga Boulevard E., near the Hollywood Bowl; hours are 2 to 4.

On June 4, an afternoon of symphonic jazz features the premiere of a Don Ellis composition, played by the Don Ellis Ensemble with the Southeast Symphony Orchestra, conducted by Louis Palange. The Jeff Donley Sextet plays on June 11, and the Tommy Vig Big Band plays Jun 18. There's also a fall series on Sunday from September 17 to November 19 For details, contact J. Foster, Los Angeles County Music and Performing Arts Commission, 135 N. Grand Ave. Los Angeles 90012; (213) 974-1343.

Music Performance Trust Fund Program. Free 2-hour jazz performances mostly outdoors, featuring many outstanding musicians. Call (213) 626 LINK for details, or write to Geneviev Taylor, Musician's Union Local 47, 81 Vine St., Hollywood 90038. They'll b held at the following places:

Canoga Park: Shadow Ranch Park 22633 Vanowen Street; every other Sunday June 11 to September 17, 2 P.M.

Los Angeles: California State Museun

JERRY FREDRICK

Don Ellis *and Survival played at '77 Peninsula Music Fair*

Afro jazz *by Creative Musicians enlivened Garden Theatre Festival in Barnsdall Park last summer*

GARY SILK

Jazz concerts *continue through June 18 at John Anson Ford Theatre; fall series starts in September*

of Science and Industry, 700 State Drive, Exposition Park; every other Monday from June 5 to July 31, 8 P.M.

Los Angeles: MacArthur Park, Wilshire Boulevard at Alvarado Street; June 4, 11, 17, 24, July 2, 8, 16, 22, 30, August 5, 13, 19, 27, September 9, 17, 23, October 1, all at 2 P.M.

Marina del Rey: Burton Chase Park, 13650 Mindanao Way; June 4, July 4, August 6, September 3, and October 1, all at 2 P.M.

North Hollywood: North Hollywood Park, 5301 Tujunga Avenue; every other Sunday June 4 to September 24, 3 P.M.

North Hollywood: Valley Plaza Park, 12240 Archwood Street; every other Sunday June 11 to September 17, 3 P.M.

Northridge: Northridge Park, 10058 Reseda Boulevard; every other Sunday June 4 to September 24, 2 P.M.

Pasadena: Ambassador Auditorium, St. John Avenue; June 4, 25, July 2, August 27, 2:30 P.M. July 6, 8, 13, 15, 8 P.M.

San Pedro: Point Fermin Park, 807 Paseo del Mar; same schedule as MacArthur Park.

Southern California Hot Jazz Society: The third Sunday of every month, members of the "second oldest" jazz club (1949) in the United States (one of several in this area) get together for Dixieland at the Variety Arts Theater, 940 S. Figueroa Street, Los Angeles, from 2 to 7 P.M.; $2 donation. Contact Ron Ridgewell, 430 S. Fuller Avenue, Apt. 2D, Los Angeles 90036; (213) 938-6389 after 6 P.M., or call Frank Bostwick, (213) 256-4048.

Showtime at the Triforium. Free concert from noon to 1 at the Triforium, City Hall Mall in the Civic Center (corner Temple and Main streets), Los Angeles. On June 8, it's the Fly by Night Jazz Band; on June 21, it's the Shorty Sherock Jazz Orchestra. For a schedule of additional jazz events, write or call the Bureau of Music, Los Angeles Municipal Arts Department, Room 1500, City Hall, Los Angeles 90012; (213) 485-2433.

Simon Rodia Jazz Festival. Two free concerts the first weekend in July, from noon to 4 P.M., with Hiroshima, Horace Tapscott, Benny Powell, and others. On July 1, it's at Watts Tower Art Center, 1727 E. 107th Street, Los Angeles; on July 2, it's at Leimert Park, corner of Vernon and Crenshaw boulevards, Los Angeles. Contact Greg Bryant, Brockman Gallery Production, 4334 Degnan Blvd., Los Angeles 90009; (213) 294-3766 or 294-5201.

University concerts. *UCLA,* Preservation Hall Jazz Band at Royce Hall, Westwood, on July 7 and 8 at 8:30 P.M. Public admission tickets are $5 and $6; contact General Ticket Office, 650 Westwood Plaza, Los Angeles 90024; (213) 825-2593.

USC, Jazz Tuba Night. It's June 16, beginning 8 P.M., at Bing Theatre, Hoover and 34th streets, Los Angeles. Admission is $5, seating is limited, no reservations; (213) 741-2484.

Other summer events. These satisfy varied musical tastes; call for dates and times of jazz performances:

Garden Theatre Festival, (213) 629-1344, different locations June and July weekends; at Barnsdall Park from July 21 to August 13. All free.

Concerts in the Sky, (213) 972-7211, weekdays atop Atlantic Richfield Plaza garage, free.

CETA Symphony, (213) 485-2433, ongoing performances at schools, malls, and public buildings, free.

Peninsula Music Fair, (213) 375-1467, Chadwick School, Rolling Hills Estates, October 8. Park at Crenshaw Boulevard and Palos Verdes Drive N.; shuttle bus transports you to performances. October 8.

Disneyland, (714) 533-4456, nightly concerts June 19 through September 9 include jazz artists.

Knott's Berry Farm, (714) 827-1776, jazz dance bands on weekend evenings in August. □

The more come the merrier

Friends eat around the big fire. Seating is generous. Flowers abound

Step into this Portland garden through its quiet, enclosed entry and you enter a world for ardent outdoor people.

As at a campsite in the woods, there's low, casual seating about an open fire, a backdrop of trees, and a good-sized clearing for gatherings and parties. And like a meadow of flowers, color fills the surrounding raised planters.

Owners Stan and Judy Harryman say the garden is a crowd pleaser. It can accommodate many more guests than the dozen over for lunch when we took these photographs. Sitting room is taken care of by built-in benches and a large sunning deck that also functions as a bench. A few outdoor pillows scattered about also encourage informal seating.

The concrete paving is easy to sweep, dries fast after a rain, and is large enough that people can move about freely. It's also great for dancing.

Surrounding plantings are shrubs and trees (mainly azaleas, rhododendrons, and native plants that need little care). Annuals that do require attention are grown in raised beds and containers.

Part of the design challenge for landscape architect John Herbst, Jr. was to create an entry that not only leads you to the front door of the house but also to the outdoor living area in back. Wood screens now direct your course. □

From entry court, *garden activities are screened from view. Decking starts by family room, continues to front door (behind boy at right) and on around screens, then extends to firepit area as a walkway*

NORMAN A. PLATE

Garden *opens up beyond narrow entry between garage and house. At screens, you turn right to front door, left to garden*

Campfire-size *firepit is a 7-foot square of river rock where guests gather for a hot dog roast or just to get warm. It has a drain for rain, also ■ gas log starter. Raised beds surrounding the concrete patio are a backdrop for informal seating on throw cushions and low decks. Flowering plants are impatiens, dahlias, lobelia*

e season *is here for fresh it pies—in flaky double crust, streusel topped*
ROW M. WATT

"Can't-miss" fruit pies

We give you a chart making use of all the summer fruits

Who can resist home-baked fresh fruit pie? A wedge of flaky crust, bursting with fruit—it's as American as dessert can be.

Summer fruits are ripening, and now's a good time to master the art of making fruit pies. Apricots, cherries, berries, plums, peaches, nectarines, pears, apples —all make delicious fillings.

But since fruits differ so much in sweetness and juiciness, and since individual preferences differ, no one pie recipe works for all. Instead of a single recipe, we've devised a fruit pie chart (turn to the next two pages). With it, even a novice can make a perfect pie.

How to use the fruit pie chart

You choose the fruit, and the chart tells you how to prepare it. Under each fruit category, we give directions for cooking the same basic filling four different ways: as traditional double-crust 9-inch pies, or single-crust 9-inch pies with streusel topping, or as smaller 4½-inch pies with double or single crust—each about right for one or two people.

You decide how much sugar to add (within the range indicated), depending on ripeness and sweetness of the fruit and your own taste. Sugar increases the liquid in pie, so if your fruit is especially juicy or if you use the maximum quantity of sugar, you should also use the maximum quantity of cornstarch or tapioca for thickening.

To many beginners, pastry is the most intimidating part of piemaking. For these pies, you can start with a pie crust mix or make the crust from scratch using our homemade flaky pastry recipe (in box at right). Either way, we give you suggestions on how to handle the dough easily.

Summer fruit pies

Prepare the fruit as directed on our chart, using the amount shown for the size and style of pie you want to make. Put fruit in a bowl and add sugar, thickening, and seasonings; lightly mix together and let stand while you prepare the pastry.

For the pastry, you'll need enough dough either for a 9-inch double-crust pie (the same amount will make 3 small double-crust pies) or for a 9-inch single-crust pie (this amount will make 3 small single-crust pies). Make pastry from a pie crust mix, following the directions on the package, or use the flaky pastry recipe below.

Divide dough in equal portions for the required crusts. Flatten each portion into a round on a lightly floured board or pastry cloth. With a floured or stockinet-covered rolling pin, roll dough with light, even strokes out from center in all directions making a circle about ⅛ inch thick—it should be about 11 inches in diameter for a 9-inch pie, about 6½ inches for a 4½-inch pie.

Then fold the circle gently into quarters and transfer to pan, placing point in center. Gently unfold; without stretching the dough, ease from center of pan out to rim. Use your fingers to fit the dough gently onto sides of pan.

For double-crust pies, trim bottom pastry round to extend ½ inch beyond pan's rim. Transfer to pan and fill with fruit mixture, then dot top with butter. Roll out second pastry round to the same size as the first. Fold into quarters, carefully transfer to pie, and gently unfold to cover filling. Trim overhang to within 1 inch of rim, then fold edge of top pastry under edge of bottom pastry along rim. Crimp edge decoratively between your fingers or press with a fork to seal. Cut several vent slashes in top pastry to allow steam to escape.

For streusel-topped pies, trim pastry round to extend 1 inch beyond pan's rim. Fold edge under and crimp between your fingers, hooking edge slightly over rim. Fill with fruit mixture.

Prepare this streusel mixture: Combine 1 cup all-purpose flour (unsifted), ½ cup firmly packed brown sugar; ½ teaspoon ground cinnamon, and 6 tablespoons butter or margarine. Rub mixture through your fingers until butter lumps are no longer distinguishable. Stir in ½ cup chopped nuts if desired.

Squeeze handfuls of streusel into firm hunks, then crumble into large nuggets

How to make our flaky pastry

In a bowl, combine 2¼ cups all-purpose flour (unsifted), ½ teaspoon salt, and ¾ cup (12 tablespoons) solid shortening, lard, or firm margarine. With a pastry blender (or table knives held in each hand), cut shortening through flour until particles are about the size of peas.

Measure 5 tablespoons cold water into a cup. Sprinkle 1 tablespoon of the water at a time (you'll use 4 to 5 in all) over the flour while you mix lightly and quickly with a fork—just until all the flour is moistened. The mixture should be neither dry and crumbly nor wet and sticky. Stir with a fork until it forms a dough and almost cleans the sides of the bowl. Press into a ball with your hands.

Makes enough pastry for a double-crust 9-inch pie; prepare half the recipe for a single-crust 9-inch pie.

The "Can't-Miss" Pie Chart

	FRUIT in cups	SUGAR in cups	CORNSTARCH OR TAPIOCA in tablespoons	SUGGESTED SEASONINGS in tablespoons (tbsp.) or teaspoons (tsp.)
APPLE (Gravenstein, Jonathan)—peel, core, thinly slice				
9-inch double crust	8	¾ - 1	2½ - 3	1 tsp. ground cinnamon and ¼ tsp. ground ginger
9-inch streusel top	6	½ - ¾	1½ - 2	¾ tsp. ground cinnamon and ¼ tsp. ground ginger
4½-inch double crust (makes 3)	5	½ - ¾	2 - 2½	¾ tsp. ground cinnamon and ¼ tsp. ground ginger
4½-inch streusel top (3)	5	⅓ - ½	1½ - 2	¾ tsp. ground cinnamon and ¼ tsp. ground ginger
APRICOT—use fully ripe, cut in quarters, remove pits (slice if large)				
9-inch double crust	8	1¼ - 1½	3½ - 4	1 tbsp. lemon juice and 1¼ tsp. ground coriander
9-inch streusel top	6	1 - 1¼	3 - 3½	1 tbsp. lemon juice and 1 tsp. ground coriander
4½-inch double crust (3)	4½	¾ - 1	2 - 2½	2 tsp. lemon juice and ¾ tsp. ground coriander
4½-inch streusel top (3)	4½	½ - ¾	1½ - 2	2 tsp. lemon juice and ¾ tsp. ground coriander
BERRY—(blue, black, boysen, logan, olallie)—use whole berries				
9-inch double crust	6	1½ - 1¾	3½ - 4	1 tbsp. lemon juice (blueberry only)
9-inch streusel top	6	1¼ - 1½	3½ - 4	1 tbsp. lemon juice (blueberry only)
4½-inch double crust (3)	4½	1 - 1¼	3 - 3½	2 tsp. lemon juice (blueberry only)
4½-inch streusel top (3)	4½	¾ - 1¼	2½ - 3½	2 tsp. lemon juice (blueberry only)
CHERRY, SWEET—remove pits				
9-inch double crust	8	1 - 1¼	2½ - 3	2 tbsp. lemon juice and ¼ tsp. almond flavoring (optional)
9-inch streusel top	6	¾ - 1	2 - 2½	1½ tbsp. lemon juice and ¼ tsp. almo flavoring (optional)
4½-inch double crust (3)	4	⅔ - ¾	1½ - 2	1 tbsp. lemon juice and ⅛ tsp. almond flavoring (optional)
4½-inch streusel top (3)	4	½ - ¾	1½ - 2	1 tbsp. lemon juice and ⅛ tsp. almond flavoring (optional)
PEACH or NECTARINE—peel (except nectarines), pit, and thinly slice				
9-inch double crust	8	¾ - 1	3 - 3½	2 tbsp. lemon juice and ½ tsp. ground nutmeg
9-inch streusel top	6	½ - ¾	2½ - 3	1½ tbsp. lemon juice and ⅓ tsp. ground nutmeg
4½-inch double crust (3)	5	½ - ¾	2 - 2½	1½ tbsp. lemon juice and ⅓ tsp. ground nutmeg
4½-inch streusel top (3)	5	½ - ⅔	2 - 2½	1½ tbsp. lemon juice and ⅓ tsp. ground nutmeg
PEAR (Bartlett)—peel, core, and thinly slice				
9-inch double crust	5	¾ - 1	2½ - 3	2 tbsp. lemon juice and ½ tsp. ground ginger
9-inch streusel top	6	½ - ¾	1¾ - 2¼	1½ tbsp. lemon juice and ½ tsp. ground ginger
4½-inch double crust (3)	5	⅓ - ½	1½ - 2	1½ tbsp. lemon juice and ¼ tsp. ground ginger
4½-inch streusel top (3)	5	⅓ - ½	1 - 1½	1½ tbsp. lemon juice and ¼ tsp. ground ginger
PLUM (Santa Rosa, Nubiana, prune)—pit and slice				
9-inch double crust	8	1½ - 2	6½ - 7	1 tsp. grated lemon peel and ½ tsp. ground cinnamon
9-inch streusel top	6	1 - 1½	4½ - 5	¾ tsp. grated lemon peel and ¼ tsp. ground cinnamon
4½-inch double crust (3)	4½	¾ - 1¼	3½ - 4	¾ tsp. grated lemon peel and ¼ tsp. ground cinnamon
4½-inch streusel top (3)	4½	⅔ - 1	3 - 3½	¾ tsp. grated lemon peel and ¼ tsp. ground cinnamon

UTTER n table-spoons	BAKING temperature	minutes
2	425°	50-60
—	375°	60
1	425°	35-40
—	425°	40
2	425°	55-60
—	425°	75-90
1	425°	35-40
—	425°	35-40
2	425°	55-60
—	425° (blueberry), 375° (others)	75-90 (blueberry), 55-60 (others)
1	425°	35-40
—	425°	40-45
2	425° for 15 min., then 350° for 30 min.	45 total
—	375°	40-45
1	425°	30-35
—	425°	35-40
2	425°	40-50
—	425°	75
1	425°	30-35
—	425°	40-45
2	425°	55-60
—	375°	60
1	425°	35-40
—	425°	50
2	425°	60
—	425°	65
1	425°	40
—	425°	45

and scatter over fruit. Makes enough topping for a 9-inch pie; use half this amount for 3 small (4½-inch) pies.

To bake fruit pies, set oven at temperature recommended on the chart. To prevent excessive browning, loosely wrap edges of all 9-inch pies with a 2 to 3-inch strip of foil. Set the pie or pies on a shallow-rimmed baking pan to collect any drips, and bake on the lowest rack for the time recommended. Check all streusel-topped pies after they have baked for 15 to 20 minutes; if they are browning too fast, loosely cover the streusel with foil.

Remove the foil strip from edges of 9-inch pie about 15 to 20 minutes before done. Remove foil from streusel topping about 5 minutes before pie is done. Bake until pie juices bubble vigorously in center and pastry is well browned.

Remove pie from oven; cool on rack. Serve warm or cold. To reheat, place in a 350° oven for 10 to 15 minutes. □

Using the pie chart, step by step from rolling pin to first slice of the pie

Roll dough *from center to edge in all directions, lifting rolling pin at edge to keep it from becoming too thin*

Fold pastry *into quarters; place in pan with point in center. Unfold and gently ease into pan with fingertips*

Trim top crust *to extend 1 inch beyond pan rim. Fold it under edge of lower crust and press or pinch edge to flute*

GLENN CHRISTIANSEN

Apple pie *at its best—a thick layer of summer's tart, juicy apples in golden crust of flaky pastry*

STEVE W. MARLEY

Eucalyptus trees *in parks, college campuses, and other public places can be a good source of seeds to grow yourself; security police may ask what you are doing, but usually no one minds your collecting*

Eucalyptus have been grown in th West's mild climates for 122 years. I the early years, they earned a reputa tion for extreme wind resistance: I seemed they never blew over, no matte how strong the wind. But in the last 4 years or so, many young eucalyptu trees have been toppling, especiall when the soil is wet.

On these pages, we offer three ways t help a young eucalypt get its best star (and a chance at acquiring the sturdines of its pre-1930s relatives).

Why they topple

It is the opinion of *Sunset Magazine*— and most of our eucalyptophile friend —that contemporary eucalyptus tree blow over because of the way they ar started. In the old days, they wer planted from flats. Now they're starte and raised in a series of container which may be constricting root develop ment, and making weak-rooted trees.

Because eucalyptus grow so fast, the reach a stage where their roots circl bend, or bunch up in a container. Th damage is permanent; tangled root

GLENN CHRISTIANSE

From bottom *to top: buds, flowers, closed seed capsules which will open later*

The right way to start eucalyptus

From seed. Consider seed collecting in a park

an't straighten to grow into a sturdy, unrestrained root system.

We have washed the soil from fallen eucalyptus trees and found, right at the base of the trunks, gigantic roots still twisted, intertwined, or bent from their nursery-can confinement.

How to grow eucalyptus from seed

The best way to raise wind-strong eucalyptus is to grow them from seed. They germinate as easily as marigolds.

Gather your own seeds—perhaps from a tree you have admired but have been unable to find in the nurseries—or buy them; seed dealers listed at lower right offer up to 300 kinds.

You can find the seed of some eucalyptus species any time of the year. Different kinds flower and set seed at different seasons, and seed-capsules may persist for a long time. On a single eucalyptus branch you may be able to find flower buds, blooming flowers, closed seed capsules, and old, opened seed capsules. Even out of blooming season, you should be able to find seed capsules in various stages of development. The ones you want are ripe and brownish—still closed or slightly open.

Take the capsules home and lay them in a shallow box, tray, or pan. Put them in the sun or in a warm, dry room to induce them to open. After a few days, shake them. When the capsules have opened, seeds and chaff will sprinkle out like pepper from a shaker.

Prepare a flat of seeding soil as you would for annuals or perennials. Fill it with either commercial potting soil or a mix of equal parts of loam, leaf mold or peat moss, and sand. Smooth and level the mix with a board to a point about ¾ inch below the flat's edge. (You might find later transplanting easier if you first put a ½-inch layer of peat moss on the bottom of the flat.)

Cover the seeds with about 1/16 inch of sand and set the flat in shallow water until the soil surface becomes moist. Place the moistened flat in a shady place out of the wind. Water often enough to keep the soil damp, but not wet. (A piece of burlap cut to fit the flat and placed on the surface will help keep soil moist; remove it as soon as seedlings appear.)

In about 2 months, when seedlings are 2 to 3 inches high and have several sets of true leaves, move them to another flat. Lift them gently, separate them, and replant about 3 inches apart. After several more months, plant 6 to 10-inch-high seedlings in the garden.

May through August is the best time to sow seeds; they may not germinate as well in other months.

The seeds of most eucalypts do not require any preliminary treatment before planting. But *Eucalyptus niphophila*—the snow gum—is an exception. It germinates better if left in the freezer for a week or so before sowing.

Windproofing nursery trees

If you prefer to buy eucalyptus plants from a nursery, there are some ways to grow them wind-resistant. Buy the smallest healthy gallon-can-size plants you can find. If possible, knock them out of their cans so you can examine roots. Reject container plants on which many roots circle the root ball or show a "knuckle" where a root has hit the side of the can and turned inward. (For shopping tips, see page 234.)

If the only plants available in your nursery have bunched-up or circling roots, buy one anyway—chances are you can still salvage it.

Dig and premoisten a planting hole big enough to accommodate the root system. Wash the soil from the roots and plant the tree bare-root, with the roots straightened out as much as possible. Set the tree so the stem's old soil line is ½ to 1 inch below grade level, and fill in around the fanned-out roots with moistened soil. Water thoroughly.

Tops may outgrow roots

Many kinds of eucalyptus grow so quickly that the tops grow out of balance with the trunks and roots. Overwatering may cause this problem. (Trees in the old eucalyptus groves were watered by bucket the first year, if at all.)

If a young tree seems to be top-heavy, cut branches back by as much as half and stake the trunk. Stake well enough for support, but not so tightly that the tree can't sway a bit.

Sources of eucalyptus seed

Carter Seed, Box 4006, Sylmar, Calif. 91342. Carries 30 to 35 species; minimum package size is ½ ounce; price $3.75 to $6.

Clyde Robin Seed Co., Box 2855, Castro Valley, Calif. 94546. Carries 50 species in small packets; price $1 to $1.50 per packet; catalog $1.

John Brudy's Rare Plant House, Box 1348, Cocoa Beach, Florida 32931. Six species listed in catalog, 17 more available on request, 200 - 300 more by special order: catalog species price, $1.

Dow Seeds Hawaii Ltd., Box 30144, Honolulu 96820. Carries 3 species, will special order 140 others; price $2.50 per packet for catalog species. □

Seeds and chaff *fall out of open seed capsules like pepper from a shaker*

Seedlings *with several sets of true leaves are ready to be carefully separated and moved to another flat*

BILL ROSS

Ready *for the ground after four to five months in flats, the seedling's roots are uncrowded, can grow with no kinks or stunted growth*

Come for a Japanese picnic

It starts with balls of rice.
It looks elegant.
Use chopsticks or use your fingers

Use a fan *to quickly cool rice while mixing in flavoring; dip spoon in cold water to keep rice from sticking*

DARROW M. WAT

Leisurely way *to enjoy sushi—guests assemble their own creations with preformed balls of the flavored rice*

Use chopsticks *or fork to lift sushi and toppings onto your plate; use fingers to dip sushi rolls into soy. Offer green tea*

queeze and press *portions of sushi rice to elongated balls (about two-bite size), eeping hands dampened with water*

Shrimp are skewered *before boiling to prevent curling; when cooked, remove sticks, split almost through, then flatten*

Egg pancake *is made like a crêpe; trim, cut rectangles for sushi wrappers, shred trimmings for garnish*

ı Japan, taking along a lunch usually ıeans taking along a box of sushi rice. ushi (*soo*-she) is a special way of prearing rice, and it's as basic to the Japnese box lunch as the sandwich is to a Vestern brown bag lunch.

ıshi, like sandwiches, can be plain or ıncy, dull or imaginative, depending ı the cook and the array of tidbits ıosen to go into, on top of, or wrapped round the rice.

ut sushi isn't limited to lunches that avel. It's served in fancy restaurants, tistically arranged in lacquered boxes ith choice bits of fish, shellfish, vegebles, and pickles. Special restaurants Japan, called sushi bars, serve only *ıshimi*—morsels of raw fish and shellsh on sushi rice.

Ve've taken sushi's versatility one step ırther in adapting it to an informal, Vestern-style party much like a serveourself sandwich buffet. At the party own here, a selection of meats, egg ıncake, shrimp, and vegetables were t out with preformed balls of the flared rice. The ingredients were chosen appeal to Western tastes, and everying can be found in well-stocked marts. You may need to seek out one that ters to Japanese customers to find eets of seasoned seaweed (*yaki nori* or *itsuke nori*), pickled white melon *ırazuke*), pickled ginger root, and rseradish powder; or omit them or e the suggested alternatives instead.

) make sushi, you must have short or dium grain rice (not parboiled)—gular long grain rice won't do. Rice lled blue rose or calrose is medium ıin; pearl, caloro, and colusa are short ıin. Usually these rice varieties are coated with talc. It should be rinsed off for sushi, even though the package may say it isn't necessary.

Make-your-own Sushi Party

All the foods for this party can be prepared as much as a day ahead—except the sushi rice; and it can be made early the day of the party. Either provide chopsticks or invite guests to use their fingers. It's a good idea to provide finger bowls or small dampened towels for each person. Set each place with a small plate or tray and a small dish for soy into which the sushi is dipped.

Some good combinations to try: Sushi topped with ham or chicken, a bit of ginger or horseradish, wrapped in egg; sushi topped with shrimp and a touch of horseradish; melon pickle or cucumber-topped sushi, wrapped in seaweed or egg.

Sushi and Accompaniments

- 30 to 40 egg pancake wrappers (directions follow)
- ½ pound (about 16) medium-sized shrimp (directions follow)
- 1 large (about 1 lb.) chicken breast
- Boiling, salted water
- About 3 ounces sliced, cooked ham
- About 36 sushi rice balls (directions follow)
- 1 package seasoned roasted seaweed (optional)
- 1 package (about 6 oz.) pickled white melon or about 1 cup sweet cucumber pickles or pickled watermelon rind
- About ½ large cucumber, sliced
- About 4 green onions (optional)
- Horseradish powder or prepared horseradish
- Pickled ginger root or dill pickles
- Soy sauce for dipping sushi

Prepare the egg wrappers and shrimp. Cook chicken in a small amount of boiling, salted water just until firm and opaque white throughout, 15 to 18 minutes. Drain and cool, remove skin and bone and cut in thin, slanting slices. Cut ham (if paper-thin, use double layer) into rectangles about 1 by 2 to 3 inches. All these ingredients may be prepared a day ahead. Cover well and refrigerate.

Several hours ahead, prepare sushi balls; keep at room temperature. Also cut seaweed sheets (if used) in rectangles about 1 by 3 inches. Rinse and drain pickled melon and cut the melon or sweet pickle in sticks about ¼ by 3 inches long. Cut fresh cucumber in thin, slanting slices. If onions are used (Japanese don't use them with sushi), cut in about 2-inch lengths, then thinly slice lengthwise. Arrange all the ingredients attractively on trays.

If horseradish powder is used, blend it with cold water to make a stiff paste, then shape paste into 1 or 2 tiny mounds and arrange on the tray. Or offer prepared horseradish in a small container. Thinly shred pickled ginger or cut dill pickles in matchstick-size pieces; arrange small mounds on the tray. Set out small pitchers of soy and invite guests to pour a little in their sauce dish to dip their sushi. Serves 4 to 6.

To butterfly shrimp, remove shells carefully, leaving on tails. With a pick, lift out back vein. To straighten shrimp, run a small wood pick through center of each to the tail. Cook skewered shrimp in a wide frying pan in boiling, salted water to cover, just until they become firm and pink, 2 to 3 minutes. Plunge into cold water to cool quickly. When cool, twist and remove skewers. With a sharp knife, split shrimp from underside almost through and press to flatten.

Egg pancake wrappers. In a small bowl,

DARROW M. WATT

Sushi lunches *in lacquerware and disposable wood boxes include mixed sushi rice, broiled chicken wings, shrimp, egg wrappers (folded), fish cake, egg, carrot, and cucumber slices, pickled melon, ginger*

combine 4 eggs, ⅛ teaspoon *each* sugar, salt, chicken-seasoned stock base (optional), and soy sauce. Using 2 chopsticks or a wire whip, beat until well blended. You will need a heavy frying pan about 8 or 9 inches across bottom. With a piece of paper towel, coat bottom and sides of pan with about ½ teaspoon salad oil.

Place pan over medium-low heat; when it's hot, pour in ¼ cup of the egg mixture and quickly tilt and turn pan to spread over pan bottom, making an 8 to 9-inch pancake. Cover pan and cook about 1 minute until egg is set but not browned. With a spatula or pancake turner, carefully turn and cook about 15 seconds longer. Turn out of pan onto a paper towel to cool. Make 2 or 3 more pancakes, brushing pan with more oil as needed.

Trim edges of pancakes with a sharp knife, making a rectangle about 5 by 6½ inches. Then cut each rectangle as shown at upper right on page 113, making 10 small rectangles, each about 1¼ by 2½ inches. Thinly shred egg trimmings to use for mixed sushi (directions follow), or use in salads or as a garnish. Makes 36 to 40 small egg wrappers.

Sushi rice. Put 1½ cups short or medium grain rice into a 3-quart, heavy-bottomed pan. Pour in cold water; if it turns milky, the rice has been coated with talc, which should be thoroughly rinsed off. Keep rinsing rice with cold water until the water is clear, then drain it in a wire strainer and return to pan. Pour 2 cups cold water over rice and let stand for 5 minutes.

Boil over high heat, uncovered and without stirring, until bubble holes appear all over surface. Immediately reduce heat to low, cover pan, and continue cooking for 6 to 9 minutes, until water has cooked away (to test, lift the lid slightly and listen for a dry crackly sound). Remove from heat and let stand, covered, for about 5 minutes.

Meanwhile, combine in a small pan ¼ cup rice vinegar (or 3 tablespoons white wine vinegar), 2 teaspoons sugar, and ¼ teaspoon salt. Stir over low heat just until sugar is thoroughly dissolved.

In a small bowl, mix 1 cup cold water with 2 tablespoons vinegar. Turn the cooked rice into a large bowl (a wooden salad bowl is best), rinsed with vinegar-water; add the marinade mixture. With a fan (or piece of cardboard) in one hand and a wooden rice paddle or large spoon in the other, dip the paddle or spoon in vinegar-water and lightly mix the marinade into the rice, fanning rice to cool it quickly. Keep tossing and fanning rice until it no longer steams, dipping paddle in the cold water as needed to keep rice from sticking to it. Let rice stand at room temperature until completely cooled; then use for sushi balls or mixed sushi.

For sushi balls, turn rice mixture into a 9-inch square pan rinsed with vinegar-water; divide into 36 equal portions. Dip your hands in vinegar-water, then take one portion of the rice at a time; squeeze it in one hand, and use the other hand to press and shape it into an oblong ball. Arrange on a serving tray. Cover loosely with clear plastic wrap and let stand at room temperature until used. Makes about 36 balls.

Japanese-style Box Lunches

Lacquered boxes with compartments, like the one shown in the photograph above, are designed especially for serving sushi. You can arrange individual servings on wooden trays or dinner plates. Disposable wooden boxes like the one at the bottom of the photograph are available in Japanese markets for about 10¢ each; they're similar to the ones used for lunches sold all over Japan. Typically, the rice used for box lunches is mixed sushi.

Mixed Sushi Lunches

Salt-broiled chicken wings or legs or shrimp (directions follow)
Egg pancake wrappers or hard-cooked egg slices
Mixed rice sushi (directions follow)
Steamed fish cake, sliced (optional)
Vegetables and pickles (suggestions follow)

Prepare the chicken or shrimp and coo to room temperature, or chill if mad ahead. Prepare egg pancake wrappers a directed for the sushi party, or cut egg in thick (about ¼ inch) slices. Prepar mixed rice sushi and keep at room tem perature.

To assemble lunches like the two show here, allow ¾ to 1 cup mixed sushi fo each serving. Use a large cooky cutte or small salad mold, rinsed in vinegar water, to lightly press rice portions int fancy shapes.

For traveling lunches, put portion of ric directly into container; keep it separate from rest of lunch with a strip of sturd (non-toxic) leaf, such as a *ti* leaf (avai able at florists), or a piece of foil.

Top the mixed sushi with thin shreds o egg pancake wrapper, cooked dry mush rooms, pickled ginger root, or some o each. Then add to each lunch, pieces o chicken, shrimp, or sliced fish cak (called *kamaboko* in Japanese markets egg pancake or hard-cooked egg slice and vegetables and pickles of you choice (suggestions follow).

Salt-broiled chicken or shrimp. We use only the large, two-bone sections o chicken wings in the fancy lunch show broiling the rest of the wings at the sam time for family snacks. Use medium o large shrimp; leave shells on, but tri off legs; lift out veins with a skewer.

Dip each piece of chicken or shrimp i Japanese *sake* or dry sherry just t moisten all over. Place on a broiler pa and sprinkle generously with salt. Bro about 2 inches from heat until wel browned; turn over, sprinkle with sa and broil until brown. Allow 12 to 1 minutes total for chicken pieces, 6 7 minutes for shrimp.

Mixed rice sushi. Prepare sushi rice a directed. To the marinated and coole rice in the bowl, mix in ¼ cup *eac* finely chopped carrot, lightly cooke green peas, and minced cooked shrim or whole cooked baby shrimp (optional

Mix in about 2 tablespoons fine chopped, cooked Japanese dry musi rooms. To prepare mushrooms, soak or 2 mushrooms in warm water unt pliable, then remove stems and rin well. Cook in a small pan in ½ cu water, with 1 tablespoon *each* sugar ar soy sauce, until the mushrooms are te der and most of the water is cooke away. Save some of the mushrooms t shred for topping the rice.

Vegetables and pickles. Some good veg table additions include sliced cucun ber, raw or lightly cooked carro (cut in sticks or flower shapes), ar celery sticks. Use Japanese white melo pickles, sweet cucumber pickles, o watermelon pickles, cut in sticks, ar thin shreds of pickled ginger root o dill pickle, cut in sticks.

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NORMAN A. PLATE

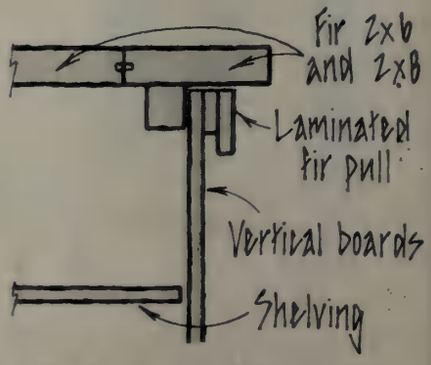
Treasured dishes *from Europe and the Orient are displayed above fir cabinets*

Display shelves for old china

Showy but functional, this fir wall unit stores glassware in the cabinets below, antique china on the open shelves above. The wall behind the shelves is painted a mat blue to accent the vividly colored dishes. Cylindrical light fixtures using 75-watt flood bulbs highlight the display after dark.

Douglas fir 2 by 12's were used for the verticals, the top crosspiece, and the two thick shelves; they're cleanly notched to interlock without other support. The two narrow shelves rest on shelf-support pins and can be adjusted up or down.

Architect Judith Chafee of Tucson designed the unit. □



Cabinet pulls *are fir 1 by 3's and 1 by 4's trimmed and glued to face of door*

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NORMAN A. PLATE

Sewing machine *is sunk in counter; top of base is flush with work surface*

Pullout drawer *below side counter holds machine when not in use*

Sewing corner does much else

Multipurpose is the word for this sewing corner. It is work surface, machine stand, storage container for threads, patterns, and fabrics—and, when the machine is not in use, desk or buffet as well.

A piece cut out of the plastic laminate countertop is a key feature. The countertop fits snug against the machine's base only beneath the sewing arm. A recessed platform below the countertop holds the base of the machine at just the right level so that fabric can be fed across it smoothly for stitching.

When the machine is put away, the cutout goes back into the countertop.

Architect: Judith Chafee, Tucson. □

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the wood patio door with a self-closing screen

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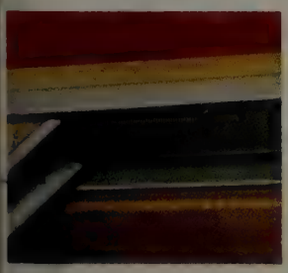

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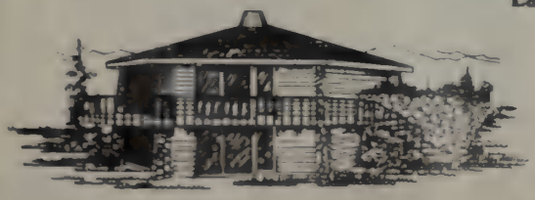

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Authentic Log Homes

DARROW M. WATT

She's melting *old crayons to "paint" a colorful wax picture. Aluminum pie tin catches the drippings*

She paints with melted crayon

A creative way to use up old crayons and candle stubs is to heat the crayons over a candle flame and dab the melting wax colorfully on tagboard or light cardboard. White tagboard comes in two standard sizes: 18 by 24 inches for 25 cents and 24 by 36 inches for 50 cents.

With adult supervision, children can safely enjoy making these glossy crayon-paintings at home.

First drop some melted candle wax into the center of an aluminum pie tin and stand a candle in it. Peel the paper wrap off the crayons. Hold each crayon over the lighted flame until it begins to melt, then quickly position it over the tagboard and start pressing and dabbing. Keep on melting and dabbing away until you achieve the buildup of colors that you want. □

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"We installed our Grumman Sunstream solar systems to help heat the water we use for baths, showers, washing dishes, clothes – and the water in our whirlpool bath.

"Using the sun's rays to conserve energy and lower my electric bill makes all the sense in the world to me."

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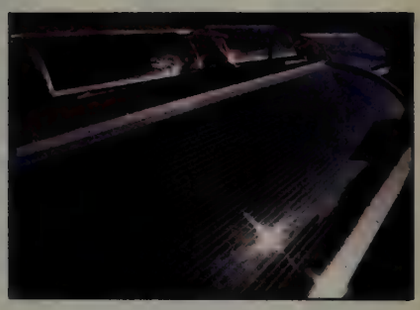
For more information on domestic water, space and pool heating, write Grumman Energy Systems, Inc., Dept. H620, 999 N. Sepulveda Blvd., El Segundo, CA 90245.



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SuperMoist™ is a whole new kind of cake mix. It's the moistest layer cake ever from Betty Crocker.® New SuperMoist has a special pudding in the mix to make it unbelievably moist.

DAVID STUBBS

Mounted photograph *slips easily into open end. Same-sized art can replace it*

With this frame you can make instant art changes

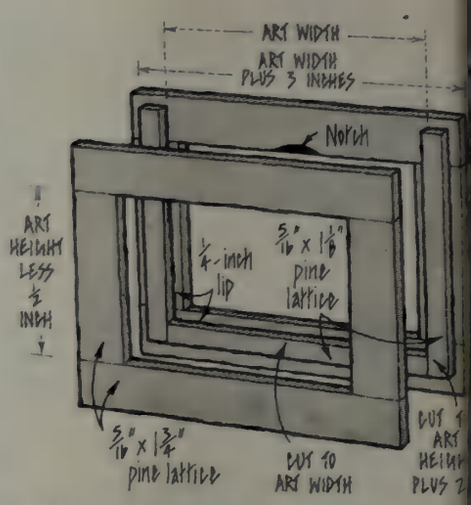
The same dimensions may be common to many of your mounted photographs or reproductions. If so, this open-ended frame allows you to rotate your private art collection in a moment.

It's easy to make. Three spacer strips sandwiched between two identical rectangles of pine lattice hold the art in place. Select the lattice carefully at the lumberyard to avoid warped, discolored, or knotty wood. Materials for our frame —12 by 16 inches—cost about $2.50.

Cut the pieces according to the dimensions shown in the sketch. If your artwork is mounted, be sure to include the length and width of the mat board in your measurements. Notch the top back crosspiece as shown for easier hanging.

Assemble the rectangles with white glue. When dry, glue the spacer strips onto the back section, leaving a ¼-inch lip around the inside edge. Then align and glue on the front section.

We left the wood unfinished; it cou be sealed but the lattice accepts sta irregularly. If you'd like a dark wo frame, use redwood lattice.



Width and length *determine frame size. White glue holds all together*

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Rollei

Interior design by Gary Hutton
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And, because it fits into the space of a standard 5' tub, the Cara V is designed to please a part of you not always considered in remodeling. Your pocketbook.
For more information, call Toll Free (800) 227-0710. In California, call (415) 938-7070. Or write P. O. Drawer J, Walnut Creek, CA 94596.
Separate fixtures give way to sculptured lines. The Cara V arrives fully plumbed with a Master Console incorporating air induction controls and hot and cold faucets.
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Jacuzzi
WHIRLPOOL BATH
Without this trademark, it's not a Jacuzzi Whirlpool Bath.

DON LALUSH

Mountaineering builder *does some rappelling to shingle an unusually high wall. A ladder is adequate for most houses*

DARROW M. WATT

Lifting bulky bundles *of shingles is the hardest work (so is clearing debris). The rest of the job is just tedious—but the results are worth it*

1 · *Staple building paper over wall sheathing for moisture protection. Work from the bottom up, overlapping the pieces by several inches*

2 · *Measure up to mark line for next layer (course) of shingles. Exposing only lower 6 inches of 18-inch shingles gives triple layer of protection*

Should you do your own side wall shingling? It isn't easy. It is rewarding

You can't overlook the amount of work that a side wall shingling job involves—each little piece of wood must be fitted and nailed on separately, and you must be careful to keep shingle lines level.

But neither can you overlook the results—a durable, long-lasting, elegant exterior graced by the beauty of natural wood (usually cedar or redwood). And shingles can solve a number of cosmetic problems: Their fine detailing can lead your eye away from the awkwardness of a new addition to an older house if you shingle both new and old walls; and they help add interest to a large or windowless wall.

There are several approaches to shingling. Here, we show the basic steps for siding a new, owner-built house. Fully waterproofing a pitched roof with shingles or shakes is a considerably more complicated job; for help, see the *Sunset* book *Basic Carpentry Illustrated* (Lane Publishing Co., Menlo Park, California 94025, updated 1974; $2.95).

You start with a firm nailing base o ⅜-inch plywood or other sheathin nailed to the stud wall; caulk *fully* b tween the siding and such protrusior as window frames and electric junctio boxes. Over this siding goes buildin paper, each layer overlapping the on below. Use a double layer for corner fit the felt tightly so it won't crimp c tear when you apply the shingles. L the felt stick out around window frame

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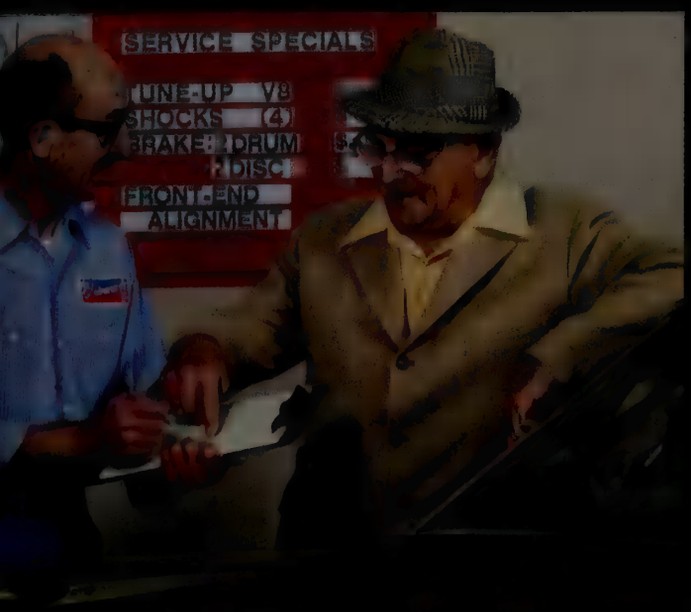

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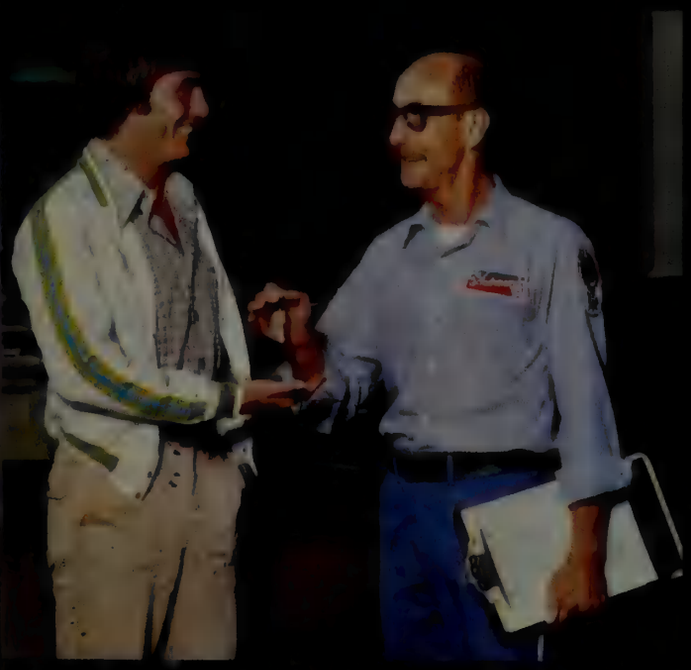

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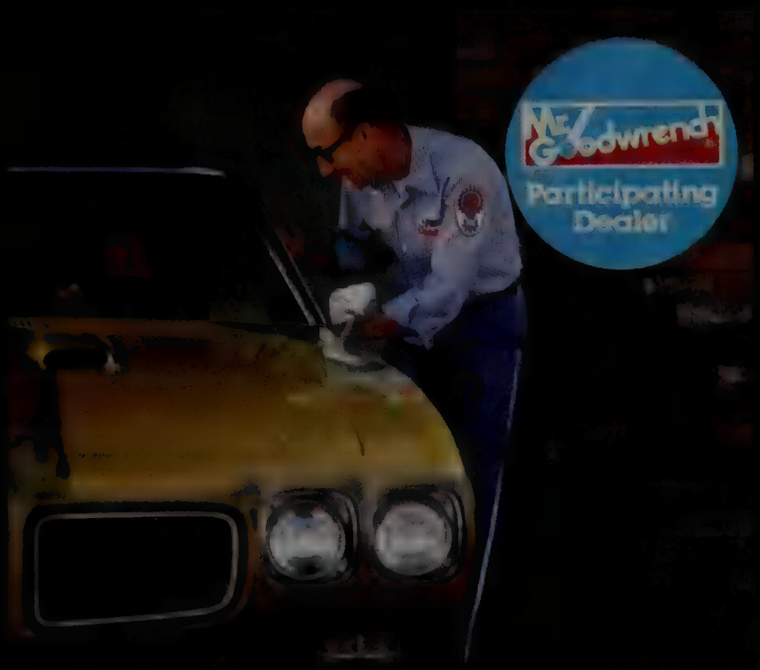

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3 • *Guideline drawn along level helps keep each course straight. (If you're practiced, you can just snap a chalk line)*

4 • *Nails go in above 6-inch line, but not much higher. Upper shingles should overlap ¼-inch gaps between the shingles beneath them*

5 • *To break a shingle down to narrower size, just place it against a solid edge and tap hard. Or you can split it with a hatchet*

Some houses were never meant to be painted.

Architect: Architectural Workshop—Moscow, Idaho. John Anton Berg—Designer

The most beautiful thing you can do for your home is to preserve and protect it against sun, rain and harsh climates with Olympic Stain.

Olympic's penetrating protection lets your wood breathe. So, we guarantee it against cracking, peeling and blistering. Your home receives lasting protection no matter how wet or how dry the weather gets. That's why architects specify Olympic more than any other stain.

Available in 66 beautiful semi-transparent and solid colors. Please follow easy label directions. For more information, consult the Yellow Pages for your Olympic dealer or write: Olympic, 2233 112th Avenue N.E., Bellevue WA 98004.

6 • *Narrow-cut shingles are fitted into place. For a snug fit around corners, saw carefully across the shingle to avoid splitting the wood*

and trim off excess after the shingles a in place.

Layers of shingles are called *course* each overlaps the one below to she moisture and provide weather prote tion. Some builders prefer just a doub layer: With 16-inch-long shingles, f example, each course overlaps the o below by 8 inches, leaving the other inches exposed. The owner of this hou preferred a triple layer for added pr tection: 18-inch redwood shingles ove lap the course below by 12 inches, lea ing 6 inches exposed.

You start at the bottom of the w with a double course of shingles ove lapping the top edge of your foundatio (Remember that for protection agai termites, codes generally require a g of several inches between wood sidi and ground level.) Then work up, esta lishing a level line for each new cou with a long builder's level, a chalk li or—easiest of all—a guide board tack

. *Alternating corner overlaps keep out rain. On outside corner (above), shingle far side will overlap near side. xt course up, the near shingle should erlap. On inside corner (below), ge of shingle is shaved into curve fit snugly against opposite shingle*

ng the shingle line.

il shingles about ¼ inch apart to ow for expansion. Stagger the gaps m course to course to avoid cre- ng a trough for moisture. The shingle ove should side-lap the gap below by least 1½ inches; there should be re than one course between gaps t line up.

e only two rust-resistant, galvanized shingle nails per shingle, no matter v large it is; place them ¾ inch in m each side and an inch or two above level line for the next higher course, the nails will be hidden. Don't nail r the top, or the shingles may loosen high winds. Alternate narrow and e shingles at random for added vis- interest.

u can get along nicely with a hammer l a sharp utility knife for trimming gles to fit snugly at corners, but a gler's hatchet can be a useful spe- tool. It combines a hammer head, atchet blade for quick shingle split- , and an adjustable marker to estab- lish guide lines. (Be aware of the hatchet edge when you're pounding nails.)

To fit shingles around a protrusion, you must sometimes cut them across the grain. Saw carefully with a sharp blade to prevent the shingle from splitting. Such a cut-out shingle will avoid a gap or moisture trough that lines up with the edge of the window frame.

For protection and appearance, you should edge the top of the upper shingle course—where the wall meets a window ledge or roof line—with a matching wood trim board.

Outer and inner corners can be handled as pictured at left: Overlapping successive courses in alternating directions will prevent a continuous seam through which wind or moisture can penetrate. Alternative ways are described in books and pamphlets at lumberyards. □

8 . *Final touch: corners are shaved with utility knife for trim, finished look*

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Now you can give your home the beauty of Olympic Stain, no matter how many times you've painted it before.

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GLENN CHRISTIANSEN

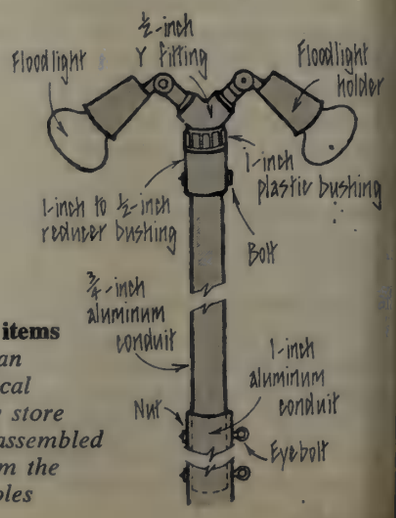
Bright lights *will keep the game going*

Up go temporary floodlights

For nighttime badminton, Ira Johnson of Indian Wells, California, devised a quick-to-assemble lighting system of floodlights mounted on telescoping lengths of aluminum thin-wall conduit (available at electrical supplies stores).

Each pole has three parts: an 18-inch length of 1¼-inch pipe (set into the ground), a 10-foot length of 1-inch conduit, and another of ¾-inch conduit. Eyebolts hold the assembly firm. Electric cord running through the conduit and out the bottom connects to an extension cord plugged into a patio outlet.

Since the poles aren't permanent, they don't violate building codes. □



Stock items *from an electrical supply store were assembled to form the tall poles*

"A hot summer weekend can make you feel pretty good about having efficient air conditioning. Until recently though, our family didn't.

"We had air conditioning, of course. But it was an older system, not very efficient, and costing us a lot to run. And each year we put off doing something about it.

"Then the cold weather gave us a push. It made us look into ways to cut our heating costs, too. That's when we decided to buy a Year-round One heat pump air conditioner from Carrier.

"Frankly, our Carrier Year-round One is everything we could have asked for. It gave us efficient heat during the winter. And during warm weather it gives us the kind of efficient air conditioning we wish we could have had years ago.

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SAAB IS THE COMMAND PERFORMANCE CAR.

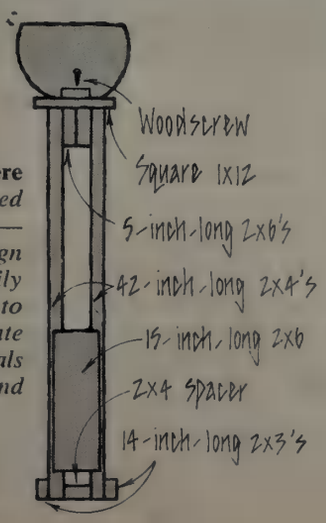
JERRY FREDRICK

Tall pedestal *stand is sturdy alternative to hanging a long trailing plant*

A pedestal for his spider plant

An extra-heavy pot for a giant spider plant led Los Angeles architect Thomas R. Lukes to build this simple redwood pedestal. The 2-by-4 legs, nailed to spacer blocks, are braced with lengths of 2 by 6 in front and back. To anchor the big clay planter, Lukes ran a 1½-inch woodscrew through a small block of wood, through the planter drain hole, and into the top shelf. Then he set in the potted spider.

If greater stability is needed (as where children will be playing), the feet could be extended or toe-nailed to the deck. □



These were *the sizes used by Lukes—but the design can be easily adapted to incorporate materials on hand*

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Derusto Barbeque Black Spray makes rusty, weathered barbeque grills and hoods look like new. A special heat-resistant paint, it sprays on to protect and beautify. Dries quickly to a black matte finish. Contains no fluorocarbons.

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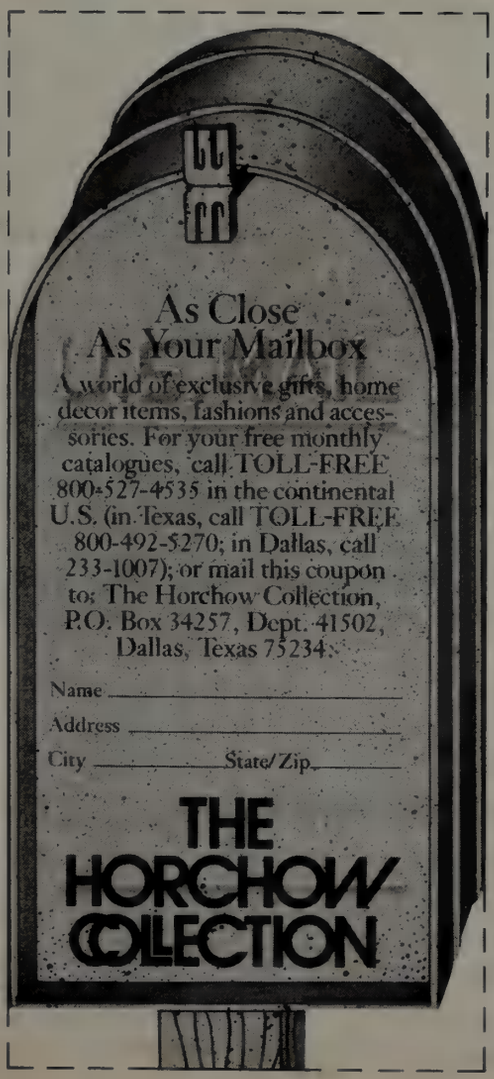

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The Changing Western Home

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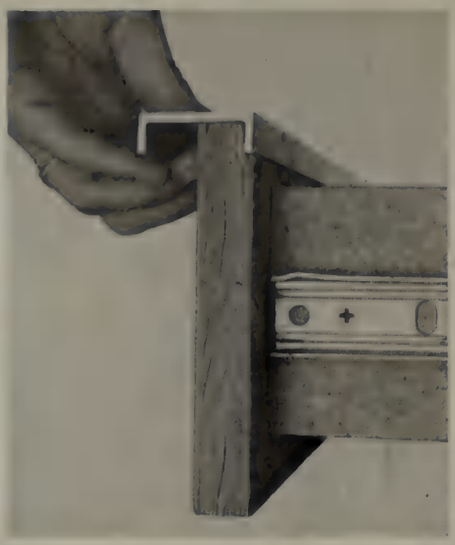
If glass windows or doors in your house are potential security or safety problems, ask a plastics dealer about the new, tougher sheet acrylics designed especially to combat vandalism, break-ins, and accidental breakage.

These sheets, which cost about 50 percent more than conventional ones, are coated with a glass-like surface that resists abrasion. You can either use them to replace problem windows or install the panels over existing glass.



Common hardware makes handsome pulls

Most hardware stores carry lengths of extruded aluminum strips, bars, tubes, and other moldings; one common shape is the ½ by 1½-inch channel that you see above serving as full-width drawer pulls.

To receive the channel strip, a ⅛ by ⅜-inch notch was cut into the top back edge of each drawer front. The strip is held in place by three small screws. Sharp edges were smoothed with a file and emery paper.

Seattle architect Wendell Lovett designed this detail for the Mercer Island, Washington, kitchen of Max and Carol Scofield.

DON NORMARK

Blow it again, fan

Remember those slow-moving fan blades above Humphrey Bogart in *Casablanca?* For reasons beyond their nostalgic charm, ceiling fans are growing in popularity. Actually, they can stir the air very efficiently and help keep you cool.

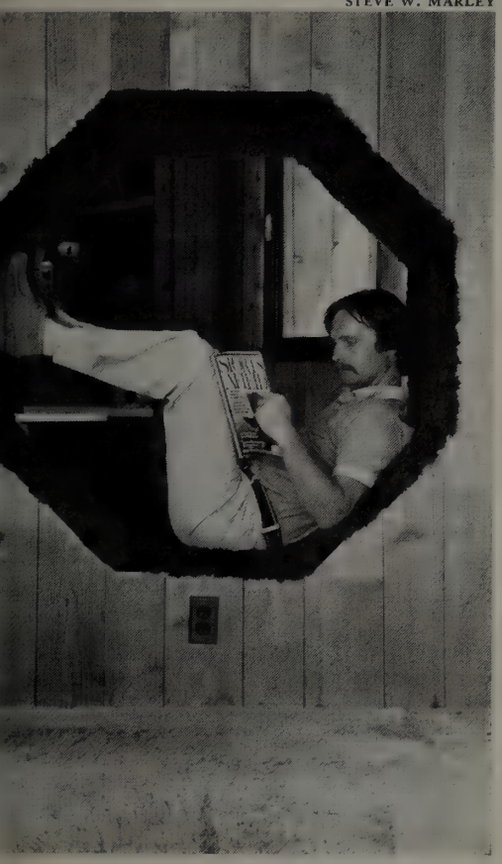
Bob and Nelda Caldwell of Phoenix discovered that these big-bladed blowers can also be an asset outdoors; they circulate the air when the wind won't, and also discourage the presence of insects, which do not like the moving air.

Ceiling fans range in price from about $60 to $450. For use outdoors, buy one designed to get wet, or plan to cover it during rains.

He's climbed right into the wall

This octagonal cutout in an extra-thick partition wall in a new house in Aspen, Colorado, was originally intended as a place to store firewood. But during construction, owner Felicia Lee and her architect, William Lipsey, noticed workmen crawling into the octagon during breaks, lunch pails in laps, and curling up comfortably. So they decided to carpet the space, converting it permanently from log storage to people storage.

STEVE W. MARLEY



New use for an old material

Corrugated galvanized steel is designed to withstand the elements, so to Phoenix architect William P. Bruder it seemed a good choice for a bathroom and shower wall. He specified this low-maintenance, inexpensive material (about $4.25 per 28 by 96-inch panel) in the award-winning Galloway cabin (see page 116 of the April 1978 *Sunset*).

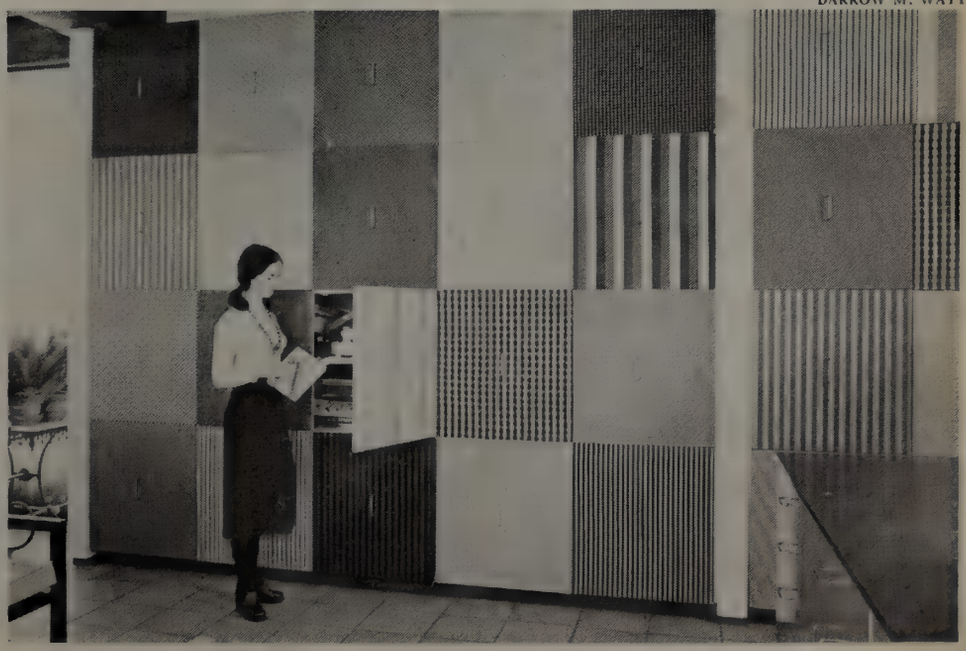
The panels are pop-riveted together, with silicon caulk between joints. To neaten the area around the shower head and faucets, a flat, custom-made panel was riveted between the rippled panels.

Patchwork storage wall

Assorted pieces of striped, solid, and checkered fabric can turn something as pedestrian and practical as a wall of storage cupboards into an eye-catching graphic display.

Designer Alexander Girard of Santa Fe and home owners Dr. Robert and Peggy Scoren chose 50 fabrics (all designed by Girard for Herman Miller Inc.) in various textures and colors to cover the ninety-six 25 by 27-inch doors. The fabric was wrapped around and glued to ⅛-inch hardboard panels cut to match the doors; then the panels were glued on. Bolt-through handles help hold them in place.

DARROW M. WATT



Prefinished plastered panels for do-it-yourselfers

Anyone who's tried installing gypsum wallboard knows that getting it on the wall is only half the job; you still have to tape, "mud" the joints and nail dimples, perhaps texture the surface, and finally paint or paper. The Gold Bond Company has just introduced a line of plastic-faced gypsum board that eliminates all the final steps; it's called Decorator Panels.

The 4 by 8-foot panels are textured and the covering wraps around their vertical edges. They come in 10 solid and printed patterns, and can be secured with color-matched finishing nails or an adhesive.

Mini Speakers, Maxi Music. From ADS.

ADS is a high quality audio manufacturer best known for a complete line of fine loudspeakers for home and professional use as well as unique, high powered miniature sound systems. Drawing from expertise in both areas, these engineers designed two genuine originals: true high fidelity speakers so small, each will fit in the palm of a hand.

The ADS 200 and ADS 300 are stunningly beautiful precision systems in jewel-like cabinets. Both reproduce uncompromisingly full-sized music in spaces where until now high fidelity was impossible.

Although they are tiny, the ADS 200 and especially the model 300 rise to astonishing volume and depth when called upon. No small speakers you have ever heard before can equal them in acoustic conversion efficiency, which is the ability to capture the full spectrum of musical detail and richness even when used with smaller, modestly powered receivers.

These personal-sized speakers can bring beautifully neutral and clear sound to your studio, bedroom, office, kitchen, cottage without ever interfering with the surrounding decor. Or how about installing them in your boat, van, or car, where they work very well off 12 volts.

Don't just imagine the pleasure; make it a reality! Visit one of the selected ADS dealers below to discover how well a pioneering effort has paid off. The ADS 200 and 300: ingenious Mini Speakers for Maxi Music, designed for today's individual lifestyle — designed for you, at home or on the move.

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2342 Shattuck Ave., Berkeley

House of Music —
1718 Union St., San Francisco

Serra Stereo —
4947 Junipero Serra Blvd., Colma
1334 Locust St., Walnut Creek

300D — 78TS

L-shaped *counter has corner nook for plants behind sink*

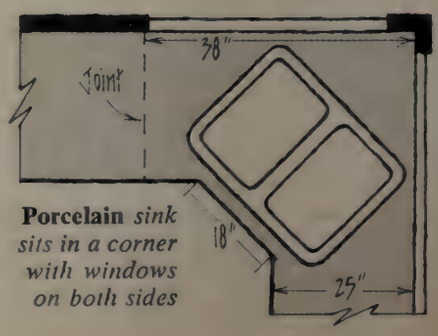
Hardwood counter is birch plywood

Solid hardwood countertops can add warm, rich tones to a kitchen, but they can be expensive. Architect Jim Caldwell of Woodside, California, got a hardwood surface for his counters at significantly lower cost by using ¾-inch birch plywood.

To make the countertop look like solid birch, 1½-inch-wide strips are mitered along the edges; ¾-inch-wide birch veneer caps the 3-inch-high plywood splashboard. Waterproof glue and countersunk finishing nails secure joints.

Owner/builder Caldwell wanted "to keep the birch looking like birch," so he counteracted the yellowing effect of a polyurethane finish by coloring the wood with a very diluted white stain before thoroughly sealing it.

Another thoughtful detail of the counter is the location of the sink. As shown in the sketch below, it angles across the corner and thus seems to take up less space while providing a panoramic view through the facing windows. □



Porcelain *sink sits in a corner with windows on both sides*

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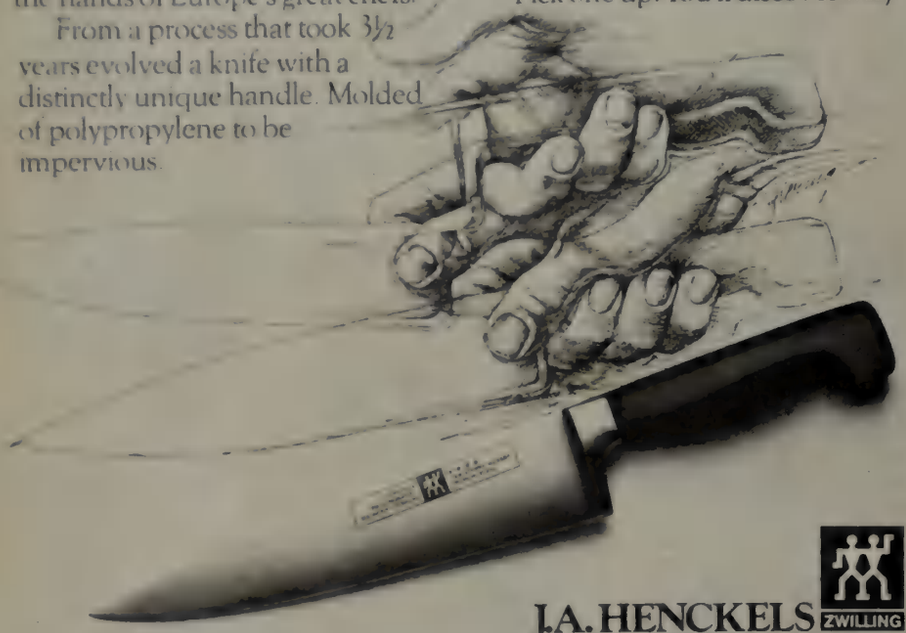

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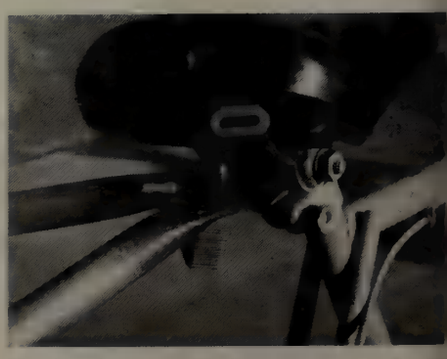
Slim bike trailer for his slim surfboard

On the road: *Shock cords hold board to two-wheel carrier*

Six and a half miles between home and beach is more than enough to make an avid young surfer think about an easy way to carry his 7-foot board. So Ron LaCanfora of Lomita, California, devised the bike-along carrier pictured here. Its dimensions could easily be altered to fit any board.

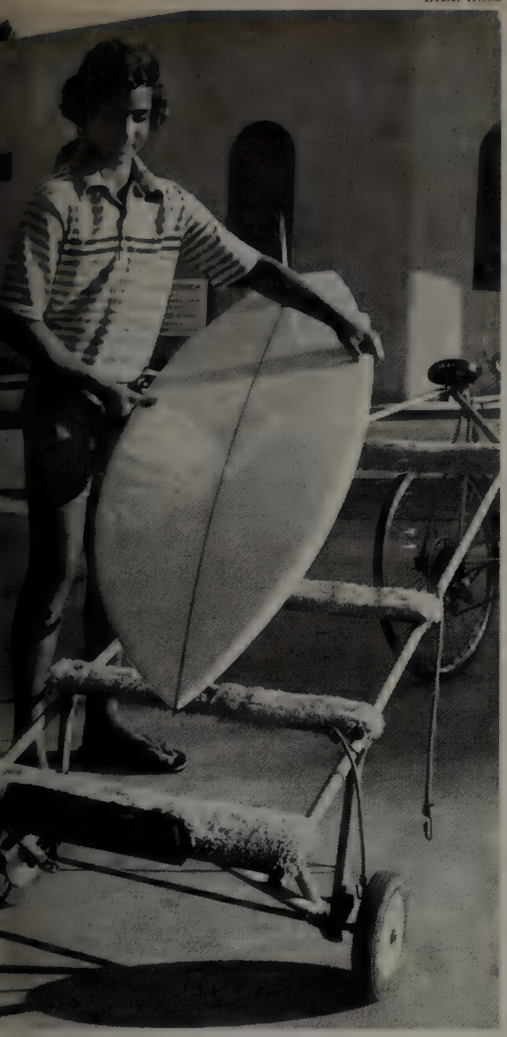
A search for materials took Ron to a lumber and plumbing supply outlet for some nuts and bolts and 22 feet of ¾-inch-diameter thin-wall electrical conduit ($3 to $3.50 per 10-foot section). Some scavenging turned up an old pair of 8-inch-diameter wagon wheels and some usable wood and carpet scraps.

Sides of the carrier are 7½-foot lengths



Single pivot point, *where carrier locks to bike, makes it easy to take corners*

BILL ROSS



Back home: *Just lift it off. Carpet scraps on crossbars cushion the ride*

of steel conduit, cut with a hacksaw. About 1½ feet from one end of each piece, Ron hammered a slight angle so the parallel sides would come together forming a point. He then hammered the touching ends flat, welded them together, and with a metal bit drilled through the weld to accommodate a padlock. Along the frame he drilled more holes and bolted on four 2-foot wood crossbars. A wood scrap nailed to the last one keeps the surfboard from sliding back.

To hold the axle, two 15-inch lengths of conduit were hammered into V's and bolted to the frame. Diagonal braces of conduit run from each V to the center of the last crossbar. □

Axle *is cradled between V of conduit and wood block*

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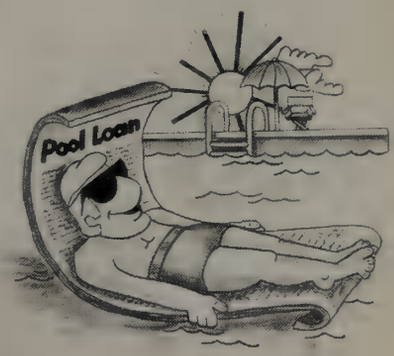

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DON NORMARK

Floating above *its desert site, the small, rectangular house has decks on all four sides with overhead and vertical shades*

Sun, wind and view control in Pinnacle Peak, Arizona

Coolness and refuge from the harsh desert sun were the goals of Phoenix architect Edward B. Sawyer, Jr., when he designed this house near Pinnacle Peak, Arizona, for Fred and Donna Corbus. Sawyer let the house sit high on its footings and extended decks around it on all sides—then covered the decks with aluminum shade screens and flanked them with pivoting shade strips.

These vertical louvers can be repositioned to shield the house from the sun at different times of day, deflect evening breezes off the nearby hills, and improve views or provide privacy for several glass-walled rooms.

Each ½ by 5 by 84-inch strip must be lifted individually and pivoted until the locking pin in the bottom drops into the desired position. In some climates wood could be used for the strips; here Sawyer chose asbestos cement for its soft gray color, resistance to warping, and ease of maintenance. □

Asbestos-cement *strips screening the decks provide sun, wind, and view control. They're held in aluminum channels with two pins: One pivots, the other drops into positioning holes drilled into aluminum frame*

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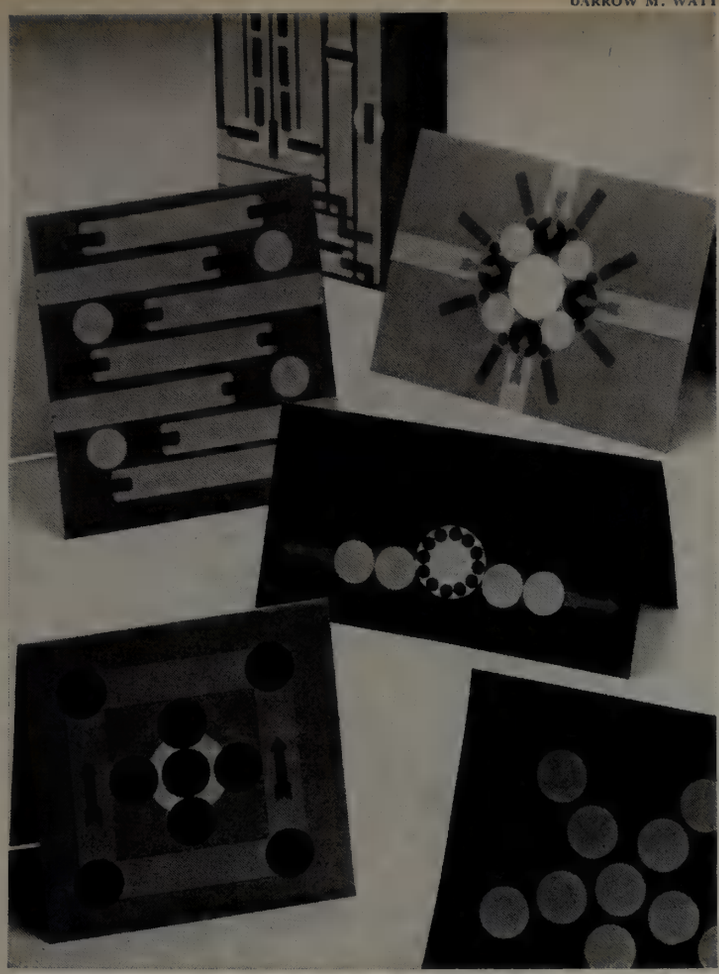

Dramatic graphics *on cards go together in a flash without cutting, licking, or glueing*

Graphics with self adhesives

Sticky-back *labels from stationery stores come in sundry colors, sizes, and shapes*

Even non-artists become bold designers once they start playing with gummed-back labels and seals. You peel bright-colored stars, circles, arrows, and rectangles off paper backings, then stick them to folded art paper to make original cards.

Most stationery stores carry these labels, sometimes called self-adhesive or removable. Because they come in large quantities, plan to make a number of cards or invitations at once. A box of 1,000 ¾-inch-diameter circles will cost about $2.50, 250 3½-inch rectangles about $1.80, and 125 1-inch arrows about 60 cents.

For the cards, choose cover stock from an art supply store, or use high-quality construction paper. Darker, muted colors generally look best behind the brilliant labels.

You can make envelopes from the same paper by folding and cutting a piece slightly larger than the card, stapling it around the edges, and using labels to cover the staples. (Currently, the minimum size for envelopes mailed First Class is 3 by 4¼ inches; as of November 30 it will be 3½ by 5 inches.) □

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INSULATION

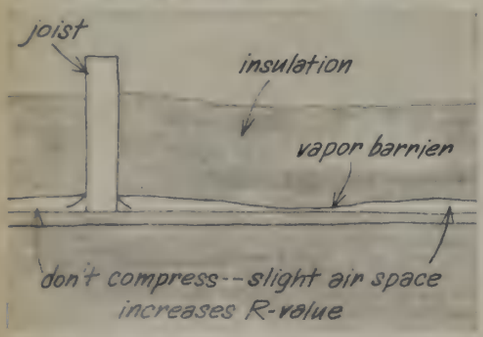
Saving warmth that would be lost through the ceiling

Warm air rises—and its heat can disappear through an uninsulated ceiling almost like water flowing through a sieve. That's why, of all the ways to reduce household heating costs, installing adequate ceiling insulation is one of the most cost-efficient.

In a new *Sunset* book on insulation and weatherstripping (see below), you'll read about various ways to do this. For those using blanket or batt insulation, it suggests these procedures:

Put on old, loose-fitting clothes and protective gear and set your stepladder under the attic access hole. If the hole is over a closet, remove any clothing stored there to protect it from dust.

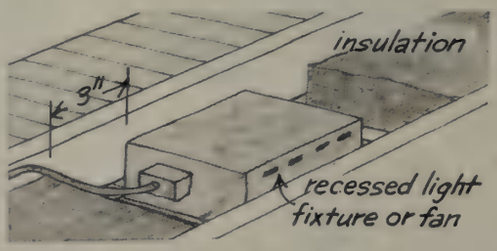
If you're working with batts, boost a couple of bundles up into the attic. You can do any necessary cutting on a board up above. If blankets are your choice, decide whether it's easiest to cut them in the attic or somewhere below.



Put the necessary tools in your tool pouch and take a portable light and kneeling boards up into the attic. Span the joists with the kneeling boards; walk and crawl only on joists or the boards (knee pads are the only way to avoid sore knees). Plan to work from the outer edges of the attic to the center.

Start in the corner farthest from the access hole. If your blankets or batts have an attached vapor barrier, lay the first one between the joists with the barrier facing down. If you're working with a separate vapor barrier, staple it to sides of joists and then lay batts or blankets on top.

Be sure the first batt or blanket extends over the top plate of the outside wall. But don't cover eave vents or block their flow of air; their ventilation is necessary.



Don't cover anything that can produce heat, or you'll create a fire hazard. This includes electric fans and recessed light fixtures. (Recessed light fixtures are those with an enclosed metal box or canister holding a light bulb above the ceiling line.) Also peel back the flammable vapor barrier 3 inches from chimneys, stovepipes, and flues.

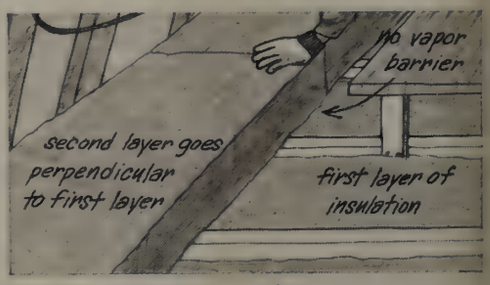
Below-ceiling light fixture boxes and other electrical boxes are safe to cover, but don't hide electrical junction boxes where access may be necessary. And don't attempt to bend or pull electrical wiring out of the way—slip your batts underneath where possible.

If you're installing blankets, insulate the long runs first to minimize cutting and waste. Unroll the first blanket until it encounters a wood block or the center of the joist space; then cut it off. For precut batts, butt a second batt up to the first, overlapping vapor barriers slightly. Work from both ends of the joist spaces to the center of the attic, where it's easier to measure, cut, and fit. When you encounter a block or crossbrace, cut the insulation to fit snugly.

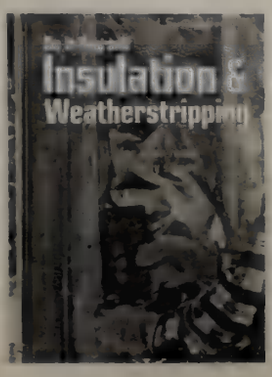
Repair any tears in the vapor barrier with duct tape or electrician's tape.

Then go on to the next row between joists, and work your way across the attic doing this. Air space between the insulation and ceiling increases the insulation's effectiveness. If blankets or batts rise above the top edges of the joists, don't compress them by laying temporary flooring on top. Compression decreases their insulation value.

Install the insulation carefully, fitting it tightly around all edges. Using loose insulation pulled from scrap pieces, stuff any places where the blankets or batts don't fit snugly.



If you need two layers of blankets or batts to achieve a high insulative value, the second layer should not have a vapor barrier, or its vapor barrier should be slashed with cuts. Lay the second layer at right angles to the first.



For year-round energy saving . . . new book shows how to insulate, how to weatherstrip

A handy resource for making your home more energy-efficient is Insulation & Weatherstripping (Lane Publishing Co., Menlo Park, Calif. 94025, $2.95). This new book covers all types of insulation in detail, shows and explains how and where to insulate for greatest saving, and gives advice on how to work with a contractor. Information on weatherstripping, with illustrated instructions, and a report on caulking make up the second half of the book. Also included are features on ventilation and other tips for saving energy

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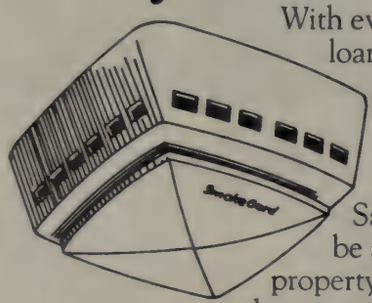

With every property improvement loan made before July 31, 1978, we're offering a free smoke alarm—the highly rated early warning SmokeGard.® At Glendale Federal Savings, we think you should be as careful about financing property improvements as you are about getting bids on the work itself. So take a minute to call one of our consumer loan specialists. He can tell you what your options are and help you determine what the true cost of your loan should be.

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NORMAN A. PLATE

Personalized doors *painted by Mom open a crack to show their namesakes*

Steve's here, Kelly's next door

Steve and Kelly live here! Their bed room doors announce the fact in bold colorful graphics designed by their mother, Anne Perce. The giant names not only add color to an ordinary hall way, they let visitors know where to find their friends.

Names with three to six letters work best. To design the letters, measure the door and draw it to scale on a sheet of ¼-inch graph paper, letting each square equal 2 inches. Next, divide the drawing into approximately equal parts, one per letter, making allowance for the letter I which needs less space, and M and W which need more.

Draw bars and curves of letters about three squares thick so they will be 6 inches thick when drawn full size. Transfer each letter to full size on large pieces of paper, using a yardstick for straight lines, and cut out.

To prepare the door, take it off the hinges, sand thoroughly, and paint with an enamel undercoat. When dry, sand lightly, place paper letters on door, and trace carefully. Paint background and letters with two coats of enamel. (Steve's door is red with white letters, Kelly's is white with gold letters.)

Use a good-quality paintbrush for neat edges. Mrs. Perce advises against masking tape, because paint can bleed under it and existing paint can be pulled up when the tape is removed.

AMANA-SPECIAL PROJECT: 2 PLUS 2½

Build an Energy Saving Refrigerator today-that customers can afford to operate tomorrow

How Amana Established [illegible] in [illegible]

It was a [illegible] from [illegible] of [illegible] wasn't [illegible] for [illegible] to [illegible] the [illegible] **The Amana 2 PLUS [illegible]**

2 PLUS 2½ Energy Saving Factors

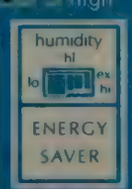
Use [illegible] inches of [illegible] insulation around [illegible] out the [illegible] about [illegible] foam wall insulation around [illegible] ¼" more [illegible] conventional foam insulated [illegible]

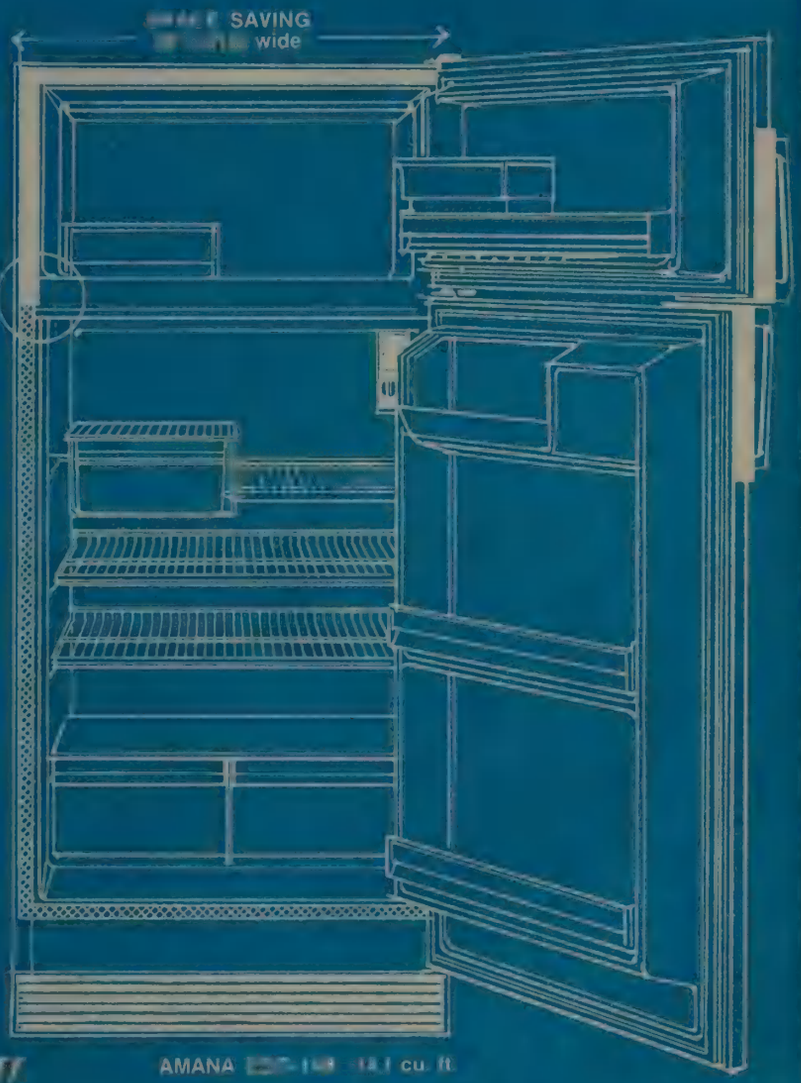
INCORPORATE THESE PROVEN ENERGY SAVERS:

1. [illegible] to further [illegible] heat [illegible]
2. [illegible] of [illegible] foam and [illegible]
3. [illegible] to [illegible] out [illegible] cold [illegible]

PLUS FEATURE: Amana 3-Position Energy Saver Control

An [illegible] heater strip that [illegible] turned [illegible] and [illegible] the [illegible] condensation [illegible] the freezer and [illegible] during [illegible] high humidity. Under most [illegible] set the [illegible] on [illegible] shuts the heater [illegible] off to [illegible] maximum [illegible] setting [illegible] for high [illegible] uses [illegible] than [illegible] hot, [illegible] conditions.





AMANA [illegible] cu. ft.

WHY "2 PLUS 2½" insulation pays off

NOTE: When the room temperature [illegible] it [illegible] 80° warmer than the 0°F freezer [illegible] of foam wall insulation minimizes the [illegible] of [illegible] room [illegible] into the [illegible] so [illegible] that the compressor runs [illegible] while still maintaining the 0° freezer [illegible]

The [illegible] at [illegible] only [illegible] colder than room temperature, [illegible] less insulation is [illegible] foam wall insulation – about ¼" more than [illegible] models – will [illegible] worthwhile [illegible]

[illegible] much money will an Amana 2 PLUS 2½ [illegible]

[illegible] example, the Amana ESR-14B [illegible] KWH of [illegible] per month with [illegible] set on [illegible] of similar size and [illegible] use from 80 to 109 [illegible] per month. This [illegible] resents a [illegible] to 58 [illegible] month.

In [illegible] where millions and millions [illegible] high electric [illegible] of 10.37¢ per KWH, the Amana ESR-14B will [illegible] from [illegible] to [illegible] $1080 [illegible] useful life of a [illegible] It [illegible] the entire [illegible] of the [illegible] Amana Retailer [illegible] in [illegible] area.

PROVEN FEATURES: Make the [illegible] 2 PLUS [illegible] as [illegible] on quality features – [illegible]

Model ESR-14B features:

- Smokey [illegible] meat [illegible] and [illegible]
- Glide-out shelves.
- [illegible] Tunnel.
- Convertible [illegible]

[illegible] *the [illegible] Amana [illegible] meat [illegible] half-width [illegible]*

6 [illegible] Automatic [illegible] models which [illegible] occasional [illegible] the [illegible] – in 13 and 14 [illegible] ft. [illegible] Four [illegible] models in [illegible] and 16 cu. ft. [illegible] All available in [illegible] Autumn Gold, [illegible] tone, Almond and White. For further [illegible] Iowa 52204.

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Amana Refrigeration, [illegible]

Sunset's Kitchen Cabinet

On warm June evenings when you can eat outdoors, barbecued steak or chicken is a popular choice. With either, we suggest sautéed mushrooms, redolently seasoned with herbs, or a crisp romaine salad. For dessert, consider the cool torte.

When you grill hamburgers, you might try our carrot-flecked ones, crowned with tomato and sprouts.

For the earlier hours, we suggest a cinnamon bread you can slice and

Offer sliced, sautéed mushrooms with roasted or grilled meats and cold cuts

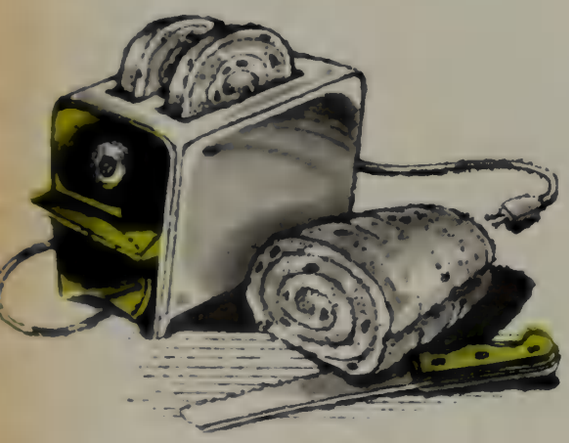
Herbed Mushrooms

You can prepare this dish ahead, ready to reheat just before serving.

- 1½ pounds mushrooms
- 3 tablespoons butter or margarine
- 1 medium-sized onion, chopped
- ½ cup *each* chopped green pepper and celery
- 1 clove garlic, minced or pressed
- 1 tablespoon all-purpose flour
- ⅔ cup water
- 1 tablespoon *each* lemon juice, prepared mustard, and Worcestershire
- ⅜ teaspoon *each* thyme and marjoram leaves
- Salt and pepper

Rinse and pat dry mushrooms; slice mushrooms through stem. Heat 2 tablespoons of the butter in a wide frying pan over medium-high heat; add mushrooms and cook until golden, then lift out and set aside. Add remaining 1 tablespoon butter to the pan with onion, green pepper, celery, and garlic; cook until limp. Add flour; cook until bubbly.

Combine the water, lemon juice, mustard, Worcestershire, thyme, and marjoram; stir into onion mixture and cook until thickened. Return mushrooms to pan, add salt and pepper to taste, and heat through. Or set aside and heat just before serving. Makes 6 servings.—*R. S., San Bruno, Calif.*



Toasted cinnamon bread goes well at breakfast or with midmorning coffee

Cinnamon-swirl Loaf

If you like, top with your favorite powdered sugar glaze before serving.

- 1 package active dry yeast
- ¼ cup warm water (about 110°)
- ½ cup milk
- ½ cup sugar
- ¼ cup butter or margarine
- ¾ teaspoon salt
- About 3 cups all-purpose flour, unsifted
- 1 egg
- ⅜ cup raisins
- 1 tablespoon ground cinnamon

In a mixer bowl, sprinkle yeast over warm water. Heat milk, ¼ cup of the sugar, butter, and salt to 110°; add to yeast mixture with 1½ cups of the flour, egg, and raisins. Beat for 3 minutes; stir in 1 cup more flour. Turn out on a floured board; knead for 5 minutes. Place in a greased bowl. Cover; let rise in a warm place until doubled, about 1 hour.

Punch down the dough; roll out into a 9 by 18-inch rectangle. Mix remaining ¼ cup sugar with cinnamon; sprinkle over dough. Starting at narrow end, tightly roll up. Place in greased 9 by 5-inch loaf pan; cover and let rise 1 hour or until doubled.

Bake in a 350° oven for 40 to 45 minutes; let cool. Makes 1 loaf.—*W. A., Albuquerque.*

Snip tortillas into wedges; layer with vegetables, hard-cooked eggs, and cheese

Tortilla Vegetable Casserole

A fresh fruit salad or compote makes a refreshing companion for this dish.

- 2 tablespoons salad oil
- 3 to 4 medium-sized zucchini, sliced (about 1 lb.)
- 1 medium-sized onion, chopped
- 1 small green pepper, seeded and chopped
- 1 can (7 oz.) diced California green chiles
- 4 hard-cooked eggs, chopped
- Salt, pepper, and ground cumin
- 6 corn tortillas
- 2 tablespoons all-purpose flour
- 1 cup sour cream
- 3 cups shredded Cheddar cheese

Heat salad oil in a wide frying pan over medium heat; add the zucchini, onion, and green pepper and cook until vegetables are just tender when pierced, about 5 minutes. Remove from heat and stir in chiles and eggs, then season to taste with salt, pepper, and ground cumin.

Cut each tortilla into 6 wedges. Also blend flour into sour cream until smooth. In a 2-quart shallow casserole, arrange half the tortilla wedges. Layer with half the vegetable mixture, half the sour cream, then half the cheese. Repeat layers. Bake, uncovered, in a 350° oven for 30 minutes or until bubbly. Makes 6 servings.—*A. B., Los Angeles.*

toast and a Mexican-inspired casserole for brunch.

To share your own original recipes, mail them to *Sunset Magazine,* Menlo Park, Calif. 94025. We pay $25 for each recipe we publish.

Here are barbecue go-withs, plus a casserole with tortillas, and some carrot burgers

Carrot Beef Burgers

Keep these in mind for a June graduation party or a patio supper.

- 1½ pounds lean ground beef
- ¾ cup shredded carrot
- 1 medium-sized onion, finely chopped
- 1 egg
- 1 envelope dry onion soup mix (amount for 4 to 6 servings)
- 2 tablespoons catsup
- ¼ cup fine dry bread crumbs
- ½ teaspoon pepper
- 6 English muffins
- Alfalfa sprouts
- Sliced tomatoes

In a large bowl combine the beef, carrot, onion, egg, onion soup mix, catsup, crumbs, and pepper. Shape mixture into 6 patties, each about ¾ inch thick.

To barbecue, place patties on a greased grill 4 to 6 inches above a solid bed of glowing coals. Cook until done to your liking (about 5 minutes per side for medium rare).

To broil, place patties on a rack in a broiler pan. Cook 3 inches below heat until done to your liking (about 5 minutes per side for medium rare).

Meanwhile split and toast the muffins. Serve patties on warm muffins. Offer sprouts and sliced tomatoes to top each serving. Makes 6 servings. —*G. D., Rainier, Ore.*

Serve grilled beef patties on English muffins; top with sprouts and tomato

Hood River Romaine

A sweet-tart dressing distinguishes this lettuce and avocado salad.

- ¼ cup salad oil
- 3 tablespoons catsup
- 2 tablespoons red wine vinegar
- 1 tablespoon *each* soy sauce and sugar
- ½ cup sliced or slivered almonds
- 6 slices bacon
- 1 large head romaine, about 1¼ pounds
- 1 medium-sized avocado
- ½ cup golden raisins
- Salt and pepper

In a small jar or bowl combine oil, catsup, vinegar, soy, and sugar; shake or stir until sugar is dissolved, then set aside.

Spread nuts in a shallow pan; toast in a 350° oven until golden, about 8 minutes. Set aside. Cook bacon in a wide frying pan over medium heat until crisp; lift out, drain well, crumble, and set aside.

Rinse and pat dry romaine, then break into bite-size pieces; you should have 12 cups. Cover and chill.

Just before serving, peel, pit, and thinly slice the avocado. In a salad bowl, combine the romaine, avocado, raisins, almonds, and bacon. Add dressing and season to taste with salt and pepper. Mix well. Makes 6 to 8 servings.—*G. J., Hood River, Ore.*

Raisins and toasted almonds are tossed with romaine for added flavor, texture

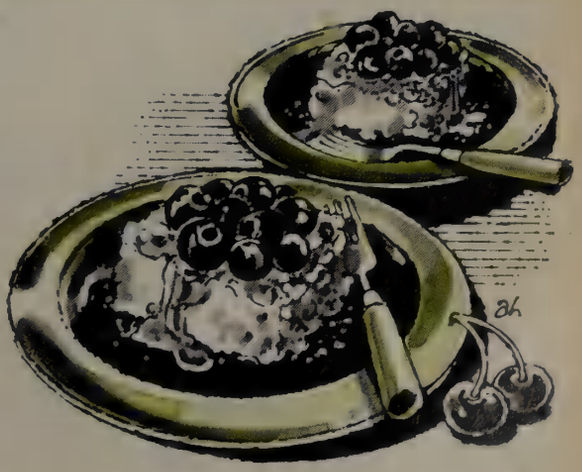
Cannoli Torte

This soft, creamy dessert is reminiscent of the tempting Sicilian pastry.

- ½ cup finely chopped almonds
- 3 tablespoons butter or margarine
- 1 tablespoon granulated sugar
- ½ cup graham cracker crumbs
- 2 cups ricotta cheese
- 2½ teaspoons vanilla
- 1½ teaspoons grated lemon peel
- 1¼ cups powdered sugar
- 1 cup whipping cream
- 2 tablespoons tiny chocolate-flavored baking chips
- Powdered sugar

Spread almonds in a shallow pan; toast in a 350° oven until golden, about 8 minutes. Melt butter and stir in granulated sugar until dissolved, then mix in the graham cracker crumbs and ¼ cup of the nuts. Press mixture into bottom of an 8-inch square pan. Bake in a 325° oven for 12 minutes or until browned. Cool.

In a mixer bowl, beat ricotta cheese until smooth; beat in vanilla, lemon peel, and powdered sugar. Blend in whipping cream, then beat until thick; stir in chocolate chips. Spoon mixture over crumb crust; cover and chill 6 hours or as long as overnight. Just before serving, sprinkle with remaining almonds and dust with powdered sugar. Serves 8.—*M. C., North Hollywood, Calif.*



Serve this torte with pitted, sweetened cherries or other fruit, if desired

DARROW M. WATT

Tempting array: *sugar twists, cheese squares, almond crescents, filled napoleons*

Puff pastry

A new easy approach. Less work. No tedium. Buttery flaky results

Making puff pastry at home has always been a culinary challenge. But here's an easier method that eliminates much of the tedious rolling, folding, and chilling of traditional recipes.

Our easy-to-manage dough still produces buttery puff pastry with characteristic flaky layers. It's the base of all the pastries you see here: sweet cinnamon twists, Danish cheese squares, almond crescents, and cream-filled napoleons (see page 178 for the napoleon recipe). On the savory side, there are cheesy palm leaves and meaty crescents.

All of the pastries are ideal for June parties, such as graduation celebrations, showers, and small wedding receptions.

For savory crescents, *place salami or ham filling at wide end of triangle and roll up. Or make sweet crescents with almond paste filling*

To shape cheese squares, *fold corners in toward center so they almost touch. Brown paper on baking sheets helps prevent pastries from sticking and excess butter from burning*

To make the dough for these pastries, you cut butter into flour as you would for pie crust, using a pastry blender, two knives, or a food processor fitted with a metal blade. It can be made up to four days ahead and refrigerated.

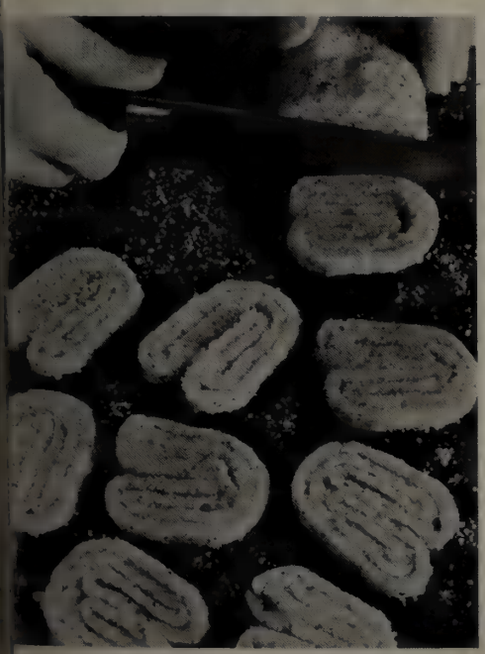
It's best to shape the pastries on a fairly cool day. If your kitchen is too warm, the butter will begin to melt and you'll have to stop and chill the dough until it firms again.

Easy Puff Pastry

Cut 1 cup (½ lb.) cold butter (do not use margarine) into ½-inch cubes. Combine in a bowl with 2 cups all-purpose flour (unsifted). With a pastry blender or two knives, cut butter into flour until butter particles are about the size of peas. Mix ½ cup sour cream with 1 egg yolk; stir into butter-flour mixture with a fork until well blended.

If you're using a food processor, distribute butter cubes over flour. Process with on-off bursts until butter particles are about the size of peas or slightly larger. Add sour cream-yolk mixture and process just until dough begins to form a ball. Do not process completely to ball stage—don't worry if there are streaks in the dough.

Gather dough into a ball, divide in half; wrap each in clear plastic wrap. Chill at least 4 hours or up to 4 days.



Dough for palm leaves *(top) is folded to center three times to form 8-layer log. Slice to form each flaky, herb and cheese - flavored appetizer*

All the pastries described here are based on a half portion of dough. The napoleon recipe on page 178 uses a whole recipe of dough. Let dough stand at room temperature about 10 minutes before shaping.

When making any of these pastries ahead, let them cool completely on wire racks. Wrap airtight and store at room temperature up to a day or freeze; recrisp before serving. To recrisp, unwrap pastries and place on baking sheets (do not thaw if frozen). Heat in a 325° oven for 5 to 10 minutes.

Cinnamon Twists

Mix ⅓ cup sugar with ½ teaspoon ground cinnamon and sprinkle slightly more than half on a board. Roll out ½ recipe Easy Puff Pastry over this mixture into an 8 by 18-inch rectangle. Sprinkle on remaining cinnamon-sugar; press in gently with the rolling pin.

Cut dough crosswise into 36 strips, each ½ inch wide. Fold each strip in half, then twist 3 or 4 times. Place slightly apart on ungreased baking sheets. Chill, uncovered, 15 to 30 minutes (if chilled longer, sugar will dissolve). Bake in a 400° oven until lightly browned, about 8 to 10 minutes. Cool on wire racks. Makes 3 dozen.

Danish Cheese Squares

Beat together 2 small packages (3 oz. *each*) cream cheese, ⅓ cup sugar, ¼ teaspoon almond extract, 3 tablespoons all-purpose flour, and ½ teaspoon grated lemon peel. Set aside.

On a floured board, roll out ½ recipe Easy Puff Pastry into a 12-inch square. Cut into 4-inch squares and arrange 1 inch apart on brown paper-lined baking sheets. Divide cheese mixture equally and spread on pastry squares to within ½ inch of edges. Fold corners toward center as shown at far left. Cover lightly with plastic wrap; chill 30 minutes or up to 1 day. Bake in a 400° oven until golden, 15 to 20 minutes. Let cool on wire racks.

Shortly before serving (or after recrisping if made ahead), spoon about 1 tablespoon strawberry or apricot jam over cheese filling on each pastry, forming a cross, as in the photograph. Makes 9 pastries.

Sweet or Savory Crescents

Prepare salami, ham, or almond filling (recipes below). Divide into 24 equal portions (about a tablespoon each) and shape each into a log.

Also divide ½ recipe Easy Puff Pastry in half again; wrap and chill one portion. On a floured board, roll out one portion into a 12-inch circle; cut into 12 pie-shaped wedges. Place a log of filling at the wide end of each wedge and roll up, as shown at left.

Place crescents, seam side down, slightly apart on brown paper-covered baking sheets; curve ends to form crescents. Repeat with second portion of pastry. Cover lightly with clear plastic wrap and chill 30 minutes or up to 1 day.

Beat together 1 egg white and 1 tablespoon water, then lightly brush mixture over each crescent. Sprinkle salami and ham crescents lightly with poppy or sesame seeds and almond crescents with sugar. Bake in a 400° oven until golden, 18 to 20 minutes. Transfer to racks. Serve warm or cooled. Makes 2 dozen.

Salami or ham filling. Mix together ½ cup *each* finely chopped salami or ham and shredded jack or Swiss cheese (pack lightly in cup to measure), 3 tablespoons finely chopped green onion, and 2 teaspoons prepared mustard.

Almond filling. In a small mixer bowl, beat together 1 can (8 oz.) almond paste (about 1 cup) and 1 egg white until smooth.

Herbed Cheese Palm Leaves

Mix together 6 tablespoons grated Parmesan cheese, 1 teaspoon Italian herbs (or use ¼ teaspoon *each* dry basil, oregano, rosemary, and thyme leaves), ¼ teaspoon garlic powder, and a generous pinch of cayenne. Sprinkle slightly more than half the cheese mixture on a board, then roll out ½ Easy Puff Pastry recipe over it into an 8 by 16-inch rectangle. Sprinkle part of remaining cheese mixture on dough and press in gently with the rolling pin.

Fold narrow ends in toward middle so they almost meet, then fold them in again, as pictured. Sprinkle remaining cheese mixture on dough and press in gently. Then fold the ends in again as if you were closing a book, making an 8-layer log. Cover lightly with clear plastic wrap and chill 30 minutes or up to a day.

With a sharp knife, cut log into 24 slices, each ¼ inch thick. Place slices slightly apart on brown-paper-covered baking sheets. Chill, uncovered, about 10 minutes. Bake in a 400° oven until golden, 10 to 12 minutes Makes 2 dozen. ▫

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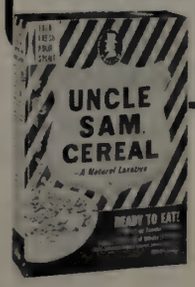

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Victoria

THE GREATER VICTORIA VISITORS INFORMATION CENTRE

DARROW M. WALT

Crevassed mountain *of meringue gets a swirling of just-whipped cream*

Appealing *to palate and eye, Pavlova is presented in a ring of bright green kiwi*

Pavlova? Mountain of meringue ringed with fruit

It's said that when Anna Pavlova toured Australia and New Zealand in 1926, the fanciful, spectacular dessert known afterward as "Pavlova" was created in her honor. The ballerina's culinary namesake is a showpiece: a billowy, baked meringue, crisp-crusted but tender within, lavishly frosted with whipped cream, encircled with slices of fresh fruit, and brightened by a cool raspberry sauce to spoon over each serving.

Delicious Pavlova can be served with many summer fruits, such as cherries, apricots, peaches, or nectarines, but it's most typical with kiwi. The sweet-tart taste of the kiwi and its bold appearance —bright green flesh accented by fine, crunchy black seeds—lend a dramatic complement to the cream-laden, snow-white meringue.

Pavlova

- 4 egg whites, at room temperature
- ⅛ teaspoon salt
- 1 cup sugar
- 1 tablespoon cornstarch
- 1 teaspoon white wine vinegar
- 1 teaspoon vanilla
- 1 pint heavy cream, whipped
- 6 to 8 kiwi, peeled and thinly sliced
- Raspberry sauce (directions follow)

In a large mixer bowl, beat egg whites and salt at high speed until frothy. Gradually add sugar, about 1 tablespoon at a time, beating for 1 minute after each addition. Blend the last tablespoon sugar with the cornstarch before adding. Then beat in the vinegar and vanilla. Mixture should hold very stiff peaks when beaters are withdrawn.

Moisten a greased, ovenproof platter or shallow-rimmed baking pan with water. Pile meringue on the dampened surface, shaping it with a spatula into a decorative mound about 7 inches in diameter. Place in a preheated 400° oven; immediately reduce temperature to 250° and bake for 1½ hours or until lightly browned and dry on the surface. Remove from oven and cool completely. Wrap airtight and store up to 24 hours at room temperature.

Just before serving, swirl whipped cream over meringue. Garnish with sliced kiwi and pass raspberry sauce to spoon over individual servings. Serves 8.—*G. S., San Rafael, Calif.*

Raspberry sauce. In a pan, blend 1 tablespoon cornstarch, ½ cup sugar, and dash salt. Stir in ½ cup water, 2 teaspoons lemon juice, and ¼ teaspoon vanilla. Add 1 package (10 oz.) frozen raspberries or 1½ to 2 cups slightly crushed fresh raspberries. Cook, stirring, until sauce boils and thickens. Cool, cover, and chill as long as overnight. □

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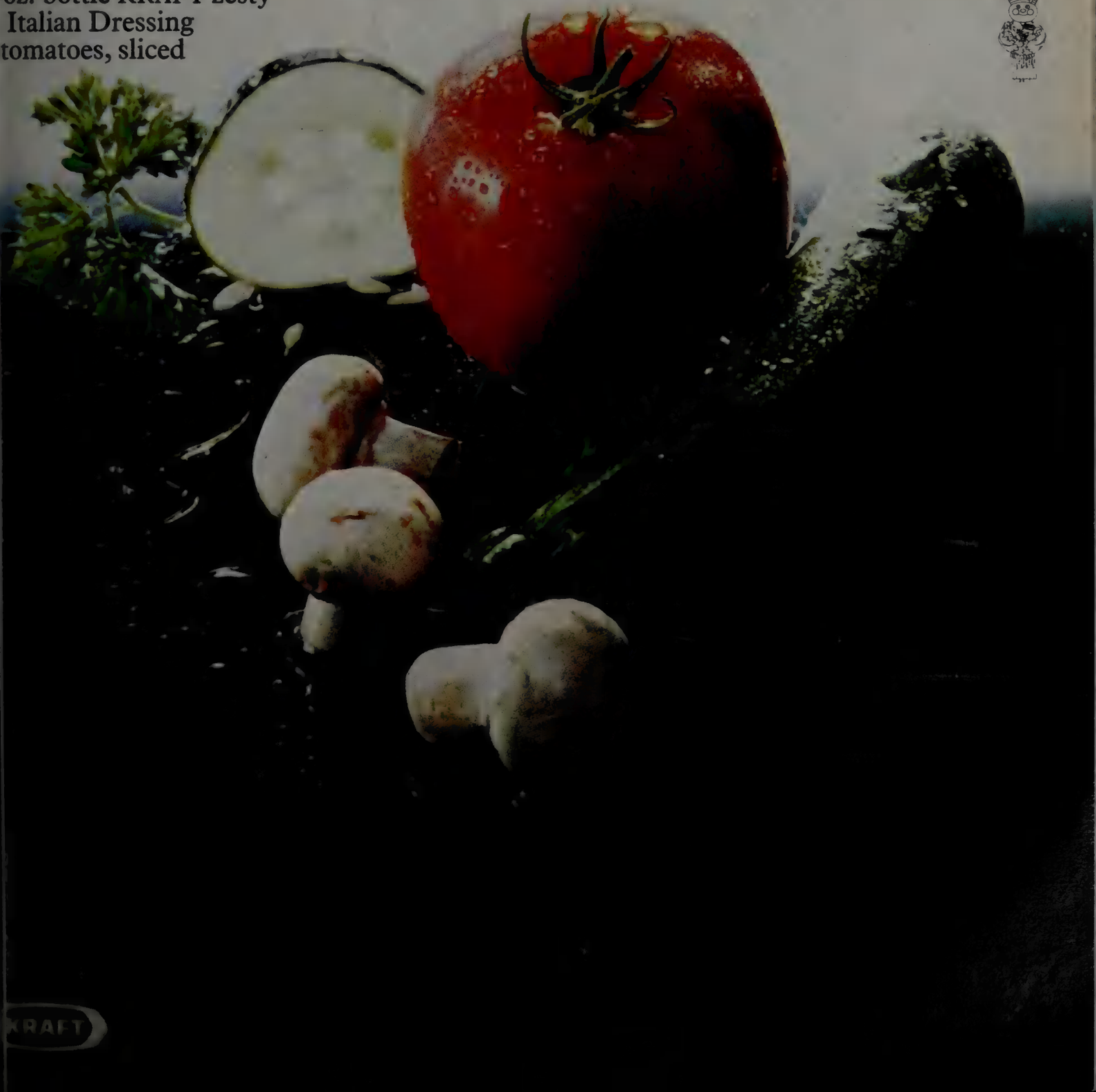
1½ cups zucchini slices
1½ cups mushroom halves
¼ cup chopped parsley
2 qts. shredded lettuce

Pour dressing over tomatoes, zucchini, mushrooms and parsley. Cover, marinate in dressing in refrigerator several hours. Drain, reserving marinade. Arrange vegetables on lettuce-covered platter. Serve with reserved marinade.

8 to 10 servings



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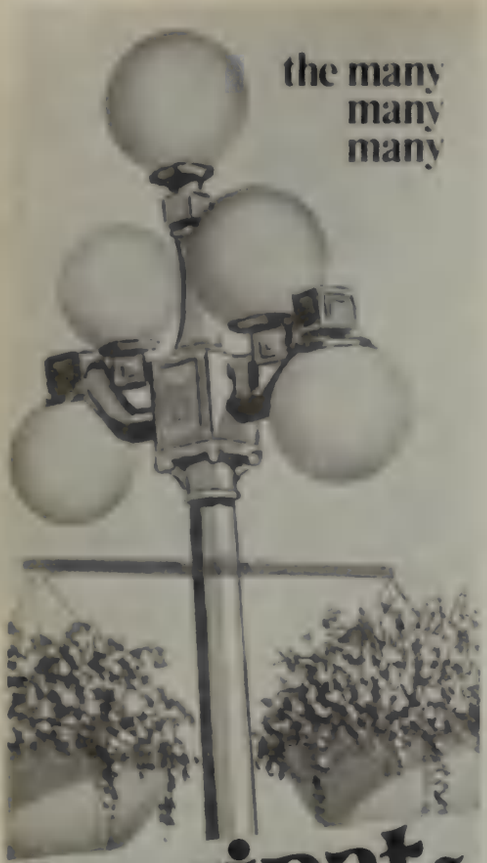

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DARROW M. WATT

A garnish of orange wedges surrounds the barbecued pork. Serve it with onions in orange sauce, fresh tomato sauce, black bean soup, and warm tortillas

Barbecued pork . . . Yucatan style

Some of the unusual flavors that distinguish Yucatan-style cooking from that of other areas of Mexico can be sampled in this barbecued pork dinner.

The juice of their very sour native orange is one such flavor that enlivens many Yucatecan dishes. It is used to soak the pork for *poc chuc* before it is barbecued, then generously squeezed over the top as the dish is eaten. Nothing like this sour orange is available in our markets, but we approximate the flavor with Valencia orange and lemon juice.

Black beans are a staple food in Yucatan. A paste of these beans replaces the refried beans that are more typical in the rest of Mexico. Sometimes, as in this menu, a side dish of black bean soup is eaten along with the meat.

Although some Yucatan food is quite spicy-hot, the flavors of this Mayan dish are mild—more piquant than spicy. You may want to serve some bottled taco sauce on the table.

The menu is flexible; you can barbecue a pork roast (such as the one shown above) on a spit, or simply grill thick pork steaks or chops.

Barbecued Pork *(Poc Chuc)*
Onions in Sour Orange Sauce
Fresh Tomato Sauce **Black Bean Soup**
Hot Rice (Optional)
Iced Radishes **Warm Corn Tortillas**

For the soup, you'll need two cans (11 oz. *each*) condensed black bean soup. Prepare as directed on the can. Before serving, add 2 tablespoons dry Sherry, if you wish. Wrap the tortillas in foil and heat on the side of the grill or in a 350° oven for 10 to 15 minutes.

Barbecued Pork *(Poc Chuc)*

Have ready either a 4 to 4½-pound pork shoulder or loin end roast or about 6 pork steaks or chops, cut ¾ to 1 inch thick. Slash the fat around edges of pork steak. For marinade mix 1 cup fresh orange juice with ½ cup lemon juice and ½ teaspoon salt. Marinate roast or steaks for 1 hour, turning several times.

For the roast, prepare your fire for spit roasting. For steaks, adjust grill about 6 inches above fire bed. Start the fire and allow to burn down to low-glowing coals. Remove meat from marinade (save it for onion sauce). Cook meat slowly until browned and no longer pink inside when you cut a slash to test (smoke may turn pork pink on outside).

For the roast allow 2½ to 3 hours (meat thermometer inserted in thickest part should register 170°). Pork steaks and chops take 15 to 30 minutes. Sprinkle lightly with salt and pepper. Serve with some of the onions (from onion sauce) spooned over. Garnish with wedges of fresh orange and pass a bowl of fresh coriander (cilantro) leaves, coarsely chopped. Makes about 6 servings.

Onions in Sour Orange Sauce

Cut 3 large onions lengthwise in thin slices. In a frying pan, heat 3 tablespoons olive oil or butter over medium heat and cook onions until lightly browned, about 10 minutes. Set aside, if done ahead. When pork is removed from marinade, pour the orange mixture over onions. Reheat and serve warm to spoon over pork. Makes about 2 cups.

Fresh Tomato Sauce

Dice 1 large onion. Remove seeds and dice 2 red bell peppers (or use 7½-oz. jar roasted sweet red peppers, diced). Peel 2 large or 4 medium-sized ripe tomatoes, then dice and remove seeds. In frying pan, sauté the onion in 1 tablespoon olive oil or butter until limp, but not brown. Add the peppers and tomatoes and simmer gently, uncovered, for 2 to 3 minutes. Lift vegetables to a bowl with slotted spoon; boil down juices until only about ¼ cup remains and pour over. Serve warm or at room temperature. Makes about 3 cups. □

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Chex Party Mix Recipe

6 tbsps. butter/margarine
1 teaspoon seasoned salt
2½ teaspoons soy sauce
¼ teaspoon onion powder or garlic powder
2 cups Corn Chex®
2 cups Rice Chex®
2 cups Wheat Chex®
1 cup pretzel sticks and/or salted nuts

Melt butter in electric skillet at 200.°
Stir in seasonings. Blend well.
Add Chex and pretzels and/or nuts. Mix until pieces are coated. Cover skillet, leaving lid vents open. Heat at 250° for 15 minutes. Stir midway. Cool on absorbent paper.

Note: A large skillet on the range top may be used. After pieces are coated with butter and seasoning, heat and stir for 10 minutes over low heat; then cool.

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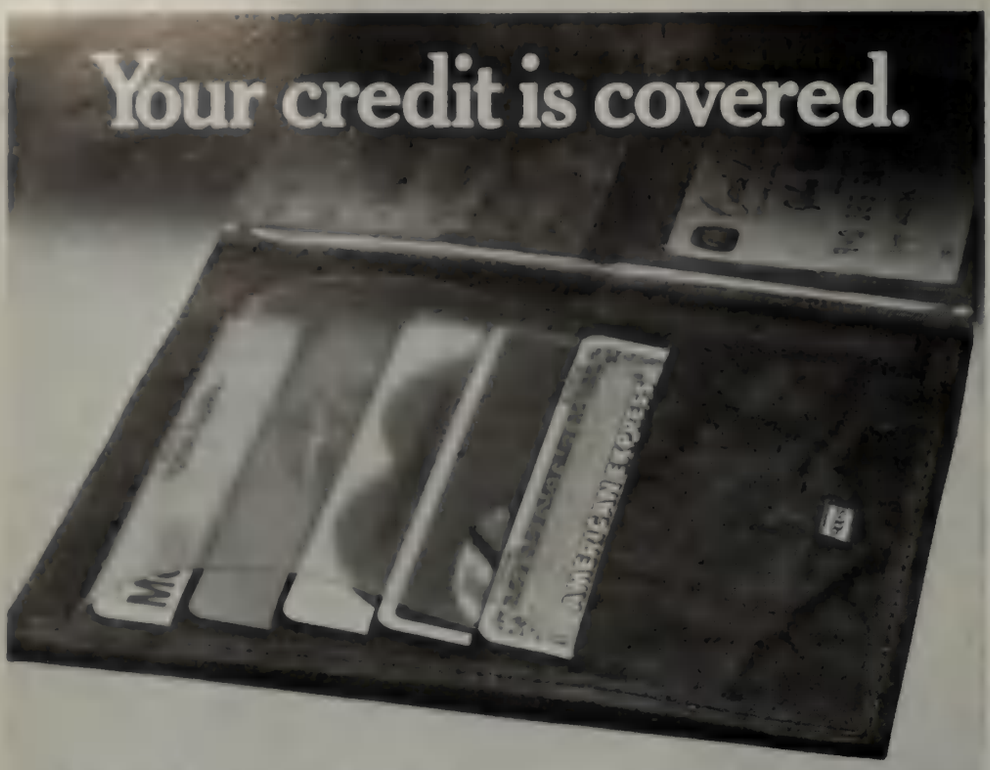

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DAVID STUBBS

Stretchy cheeses *hold this self-contained Italian meal together*

Inside the crust: sausage, cheese, vegetables

It tastes like pizza, looks like a big turnover, and is called calzone (kahl-*tsoh*-neh). These crusty Italian turnovers can be filled with a spicy sausage or cheesy vegetable filling for a lunch or supper.

You can make them in two sizes—the traditional large size, big enough to cut into 2 or 3 servings, or smaller, individual-sized turnovers. They are best freshly made, but you can reheat leftovers, uncovered, in a 350° oven until hot (25 to 35 minutes).

Crusty Italian Turnovers (*Calzone*)

- Crusty dough (recipe follows)
- Sausage or vegetable filling (recipes follow)
- Olive oil or salad oil
- Cornmeal

Make dough. While dough rises, prepare the filling (see recipes on next page).

After dough has risen, punch it down and divide in half for 2 large calzone, in quarters for individual-sized calzone. On a lightly floured board, shape each

9 ways to liven up the burgers this holiday weekend!

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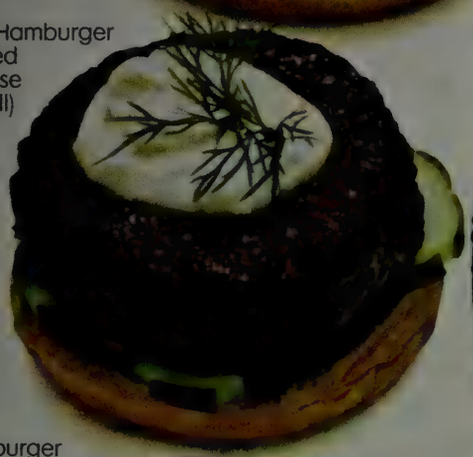
uce)

Dixie Belle burger **5.**
(Hamburger with a slice of tomato under mayonnaise, mayo browned with burger)

burgér (Hamburger
h whipped
am cheese
d fresh dill)



Bacon burger **6.**
(Hamburger with bacon, tomato, pepper and Swiss cheese)

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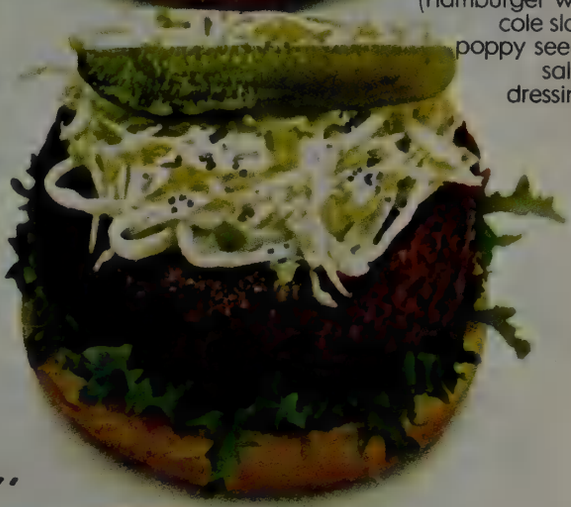

Bavarian burger **7.**
(Hamburger with cole slaw, poppy seeds, salad dressing)

9. Coca-Cola

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ifornia burger
mburger with
uce, tomato
d mayonnaise)

Chedda-burger **8.**
(Hamburger with a slice of Cheddar cheese)

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portion into a round ball; roll large balls into 11-inch circles, small ones into 8½-inch circles. Brush surface of each circle lightly with olive oil or salad oil.

Spread half (for large calzone) or a quarter (for small calzone) of the filling over half of each dough circle. Fold plain half over filling, then press edges together, roll ½-inch edge up and over, seal, and crimp. With a wide spatula, transfer turnovers to greased and cornmeal-dusted baking sheets. Prick tops with a fork and brush lightly with olive oil or salad oil. Bake in a 475° oven until well browned, 15 to 20 minutes for either size. Makes 4 servings.

Crusty dough. Dissolve 1 package active dry yeast in 1 cup warm water (about 110°). Stir in ½ teaspoon salt and 2 teaspoons olive oil or salad oil. Gradually mix in enough (2½ to 3 cups) all-purpose flour, unsifted, to make a soft dough. Turn dough onto a well-floured board and knead until smooth and nonsticky, adding more flour as needed (¼ to ½ cup more). Place in a greased bowl; turn dough to grease top. Cover and let rise in a warm place until doubled in bulk, about 1 hour.

Sausage filling. In a wide frying pan cook 3 (about 10 oz.) mild Italian sausages, sliced, over medium heat until browned. Add 1 small onion, sliced; 1 clove garlic, minced or pressed; ¼ pound mushrooms, sliced; 1 small green pepper, sliced; and 1 small carrot, thinly sliced. Cook, stirring, until vegetables are limp. Stir in 1 can (8 oz.) tomato sauce, 1 can (2¼ oz.) sliced olives drained; 1 teaspoon dry basil, ½ teaspoon *each* oregano leaves and sugar and ¼ teaspoon crushed red pepper.

Simmer, uncovered, about 5 minutes. Let cool while dough rises. When ready to assemble the calzone, stir in 2 cups shredded mozzarella cheese and ½ cup grated Parmesan cheese. Add salt and pepper to taste.

Vegetable filling. Follow recipe for sausage filling, omitting sausage. Cook the vegetables in 2 to 3 tablespoons olive oil or salad oil and increase mushrooms to ½ pound. Also increase oregano leaves to 1 teaspoon and add ½ teaspoon fennel seed, if desired. Increase mozzarella to 2½ cups, Parmesan to ¾ cup. □

Garden party know-how

Have you had any experience putting on a big (50 or more guests) outdoor party—elegantly and inexpensively? If you'd like to share your ideas, write to Party Editor, *Sunset Magazine,* Menlo Park, Calif. 94025. □

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The Earl of Sandwich's idea is in small flower in Denmark but in full flower in Tucson

The Earl of Sandwich is supposed to have conceived the idea of layering a slice of something between two pieces of bread. At least the name of his estates has come down to us as the name of the edible object.

But the Earl did not live to see the full flowering of his idea in our time: It has spread throughout the Western world, and reaches its apex in two places. We will not consider the "bread-and-butter" of Denmark here, since the Danes use only a single piece of bread, and their sandwiches require either a knife and fork or consummate juggling.

Rather, it is here in America that the true, or bivalve, sandwich has achieved real glory, whether you call it a sammich, a burger, a hot dog, a Dagwood, a submarine, or, as *Chef* James Strieber does in the following construction details, a hero.

Before we tell you how *Chef* Strieber prepares his healthy hero, let us look quickly at how the sandwich has affected our culture. If you are eating a Nathan's, where are you? And a poor boy? What does Wimpy always desire? If you suddenly found yourself confronted by a mechanical clown, what would you say? A real clown? If the outside is rye, what is the inside? Write out the long form of "BLT hold the mayo."

Monterey Bacon Hero

- ½ cup mayonnaise
- ⅓ cup sour cream
- 2 teaspoons Dijon mustard
- 1 tablespoon finely chopped onion
- ¼ teaspoon Worcestershire
- ⅛ teaspoon garlic powder
- Salt and pepper
- 1 loaf (1 lb.) French bread, or 6 to 8 French rolls
- 1 package (4 oz.) alfalfa sprouts
- 1 large avocado, peeled, pitted, and sliced
- 1 tablespoon lemon juice
- ½ pound bacon, crisply fried
- ½ pound jack cheese, thinly sliced
- 2 medium-sized tomatoes, sliced
- 8 to 10 pitted ripe olives, sliced

Blend together the mayonnaise, sour cream, mustard, onion, Worcestershire, garlic powder, and salt and pepper to taste. Cut the bread or rolls in half horizontally. (To make eating easier, pull some of the soft bread out of each half, if desired.) Spread cut sides with the mayonnaise mixture and sprinkle bottom half of loaf evenly with sprouts.

Drizzle avocado slices with lemon juice and arrange on the sprouts. Add bacon, cheese, tomatoes, and olives and cover with top bread half. Cut whole loaf into individual portions or serve 1 roll per person. Makes 6 to 8 servings.

James L. Strieb
Tucson

"A book of verses underneath the bough, a bowl of dip, tortilla chips, and

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TENDER CHUNK™ HAM CASSEROLE

1 7 oz. pkg. Creamettes®
elbow macaroni
1 10¾ oz. can cream of
mushroom soup
⅔ cup of milk
1 cup shredded Cheddar cheese
½ teaspoon celery salt
1 teaspoon Worcestershire sauce
1 can Tender Chunk™ Ham,
flaked apart with fork

Cook macaroni. Heat together soup, milk, Cheddar cheese, celery salt, Worcestershire sauce. Add flaked ham, then add mixture to macaroni. Pour into greased 2 qt. baking dish. Bake at 350 degrees for about 45 minutes.

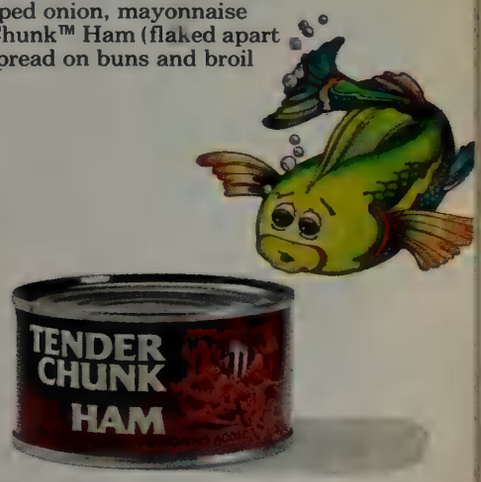
HEARTY CHEF'S SALAD

¼ bunch Romaine lettuce
½ head lettuce
¼ cup chopped green onion
¼ cup sliced celery
1 can Hormel Tender Chunk™ Ham,
flaked apart with fork
6 cherry tomatoes cut in half
6 ripe olives
½ small red onion, sliced
¼ cup julienne strips Swiss cheese
¼ cup julienne strips Cheddar cheese
¼ cup mayonnaise or salad dressing
2 tablespoons Italian dressing
1 hard-cooked egg, quartered

Line bowl with Romaine lettuce. Tear head lettuce into bite-sized pieces. Toss with next eight ingredients. Chill. Just before serving, toss with dressings. Garnish with egg. Serves 2-3.

HAM-FILLED BUNS

Combine diced American cheese, diced pickles, chopped onion, mayonnaise and Tender Chunk™ Ham (flaked apart with fork). Spread on buns and broil till bubbly.



Tender Chunk Ham is real, honest-to-goodness ham you can flake with a fork and use just like tuna.

Hormel

thou . . . Oh, wilderness were paradise enow!"

And if the Persians felt that way about it, who are we to differ? Arthur Jackson gives us his fine version of bean dip.

"A book of verses underneath the bough, a bowl of dip, tortilla chips, and thou"

A. J.'s Bean Dip

- 2 cups cooked pinto beans, or 1 can (1 lb.) pinto beans, drained
- 1 small onion, coarsely chopped
- 1 clove garlic, minced or pressed
- 1 pickled jalapeño pepper
- 1 teaspoon liquid from canned pepper
- 2 tablespoons tomato-based chile sauce
- ⅛ teaspoon oregano leaves
- Water
- Salt and pepper
- Chopped fresh coriander (cilantro), or sliced green onion
- Tortilla chips

In the bowl of a food processor or in a mixing bowl, combine beans, onion, garlic, jalapeño pepper, pepper liquid, chile sauce, and oregano. Using the processor with metal blade, blend with on-off bursts until smooth. Or whirl a small portion of the bean mixture at a time in the blender. Add water, 1 tablespoon at a time, until you have a thick dippable consistency. Season to taste with salt and pepper. Mound in a small serving bowl and garnish with chopped coriander. Serve, surrounded by tortilla chips. Makes about 2 cups.

Arthur Jackson

Blaine, Wash.

"This recipe is not for the feeble," states Bruce Macler. But in fact, unless your tolerance for spice is very low, you will not find it unpleasantly piquant. The fearful may remove the jalapeño from the mixture.

Chicken Berserk

- 2 tablespoons salad oil
- 8 chicken legs and thighs, attached
- 1½ cups sour cream
- ½ cup milk
- 1 teaspoon salt
- ½ teaspoon pepper
- 2 tablespoons all-purpose flour
- 1 clove garlic
- 1 to 2 canned jalapeño peppers
- 1 large onion, thinly sliced
- 2 cans (7 oz. *each*) diced California green chiles
- 1 cup shredded sharp Cheddar cheese

Heat the oil in a large frying pan over medium heat; add the chicken and brown well on all sides. As the chicken browns, place the sour cream, milk, salt, pepper, flour, garlic, and jalapeños in a blender and whirl until smooth.

When chicken is brown, transfer to a shallow 3-quart baking dish. Add onion to frying pan and cook until limp. Spoon onion and chiles over chicken and pour over the sour cream mixture. Bake, uncovered, in a 350° oven for 40 minutes or until chicken is fork-tender. Sprinkle on cheese and bake, uncovered, until cheese is melted, about 5 minutes longer. Skim fat before serving. Serves 6.

Bruce Dan Macler

Berkeley

"I have been making this stew since I was a boy working on the docks in San

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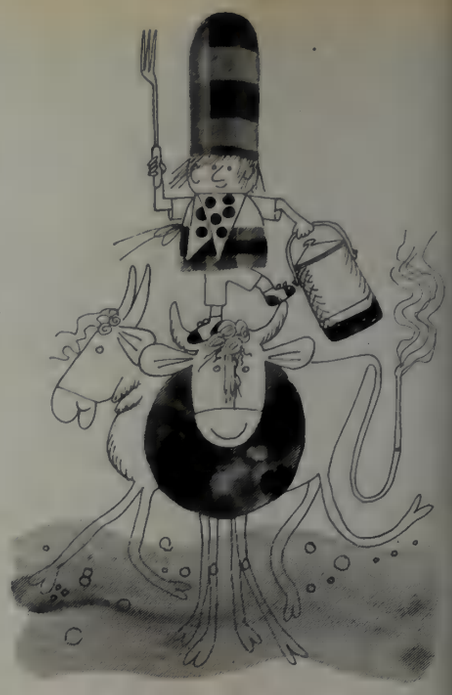
Brother Timothy F.S.C.
Cellarmaster
The Christian Brothers

From The Christian Brothers of California.



"One gets a 'Bringing in the Sheaves' feeling . . . melding and anticipating"

Pedro 50 years ago, and have enjoyed every minute of the making and the eating. One gets a 'Bringing in the Sheaves' feeling while simmering, melding, and anticipating."

So says Doyle Croft, and after 50 years this dish must be ready for the public. We would call it soup more than stew, and we have allowed ourselves one basic change: We serve it all together. *Chef* Croft likes to separate vegetables and meat and lets guests pick and choose.

Meat and Marrow Stew

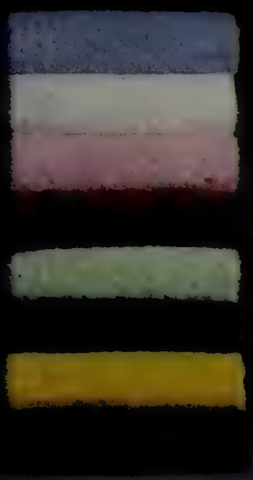
- 3 to 4 pounds sliced beef shank with marrow
- 2 quarts water
- 3 beef bouillon cubes
- 3 medium-sized onions, cut in quarters
- 3 large carrots, cut in 1-inch chunks
- 3 cloves garlic, minced or pressed
- 1 stalk celery with leaves, chopped
- ½ medium-sized green pepper, seeded and cut in large dice
- 2 medium-sized turnips, cut in 1-inch chunks
- 2 medium-sized potatoes, cut in large cubes
- Salt and pepper

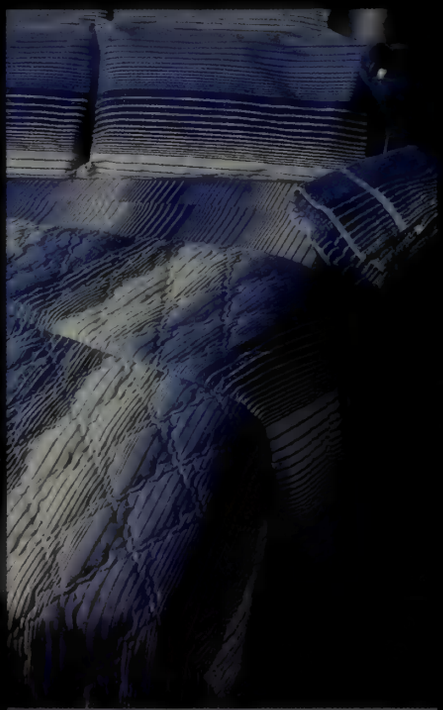
Place beef in a 6-quart kettle with the water. Add bouillon cubes and bring to a boil. Cover, reduce heat, and simmer, skimming occasionally, until meat is fork-tender, about 2½ hours.

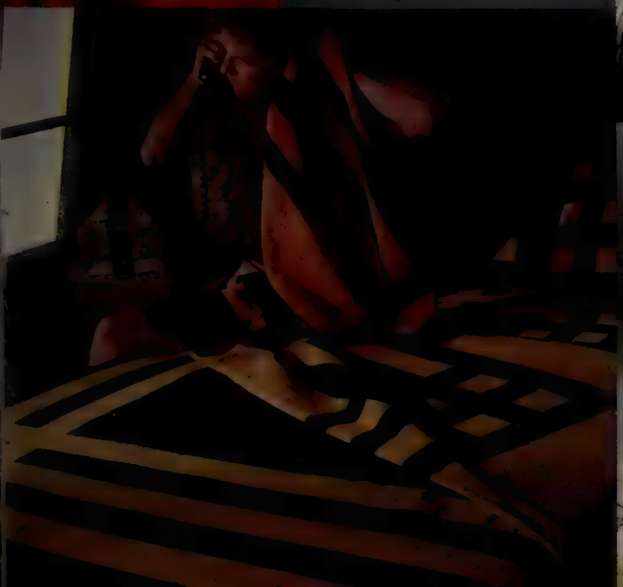
Remove meat from broth and discard bone and fat. Skim fat from broth and return meat, cut in bite-sized pieces, and marrow to the kettle. Add the onion, carrot, garlic, celery, green pepper, turnip, and potato; cover and simmer until vegetables are fork-tender, about 30 minutes longer. Add salt and pepper to taste. Makes 8 to 10 servings.

Doyle Croft
Covina, Calif.

The Many Moods of Royal Family.







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Mexican pizza . . . bean and cheese, with taco sauce, sour cream

Pizza takes on a new nationality when it's spiced with Mexican seasonings and topped with crunchy condiments.

Mexican Pizza

- Pizza crusts (recipe follows)
- Spicy tomato sauce (recipe follows)
- Olive oil or salad oil
- 1 can (about 1 lb.) refried beans
- 1 can (7 oz.) diced California green chiles, drained
- 1 large onion, chopped
- 3 cups *each* shredded jack or Cheddar cheese
- 1 can (2¼ oz.) sliced ripe olives, drained
- About 1 quart shredded lettuce
- About 1 cup sour cream
- About 1 cup thinly sliced radishes
- About [illegible] cup taco sauce

Make dough for pizza crusts. While it rises, prepare other ingredients.

After dough has risen, punch down and knead on a lightly floured board; shape into a smooth ball. Divide dough in half and roll and stretch each portion to fit a greased 14-inch round pizza pan or a 12 by 15-inch baking sheet. Brush dough tops lightly with olive oil. Bake in a 500° oven about 5 minutes or just until crusts begin to set. Remove from oven.

Spread half of the refried beans evenly over each crust. Top each evenly with half of the sauce, chiles, onion, cheese, and olives. Bake in a 500° oven on the lowest and middle racks, switching positions midway, about 15 to 20 minutes or until crust is well browned and cheese is bubbly. Cut in wedges. Pass lettuce, sour cream, radishes, and taco sauce to top individual servings. Makes 2 large pizzas, about 4 to 6 main-dish servings. —*H. L., Los Altos, Calif.*

Pizza crusts. Dissolve 1 package active dry yeast in 1 cup warm water (about 110°). Stir in ½ teaspoon salt and 2 teaspoons olive oil or salad oil. Gradually mix in enough (2½ to 3 cups) all-purpose flour, unsifted, to make a soft dough. Turn dough onto a well-floured board and knead until smooth and nonsticky, adding more flour as needed (¼ to ½ cup more). Place in a greased bowl; turn dough to grease top. Cover and let rise in a warm place until doubled in bulk, about 1 hour.

Spicy tomato sauce. In a pan combine 1 can (15 oz.) tomato sauce; 2 cloves garlic, minced or pressed; 1½ teaspoons chile powder; and ½ teaspoon *each* salt, oregano leaves, and ground cumin. Simmer, uncovered, for 10 minutes.

DARROW M. WATT

Bean and cheese pizza *is topped with taco sauce, sour cream, vegetables*

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COUNTRY STYLE BARBECUED RIBS

- 5 to 6 pounds country style ribs
- ½ cup chopped onion
- 1 tablespoon shortening
- 1 cup catsup
- ¾ cup water
- ⅓ cup vinegar
- ½ cup light brown sugar, packed
- 1 teaspoon Worcestershire sauce
- ¼ teaspoon celery seed
- ½ teaspoon salt

Cut ribs into serving portions, as desir Arrange ribs on grill at least 6 inch from medium (ash colored) coals. Co 1¼ to 1½ hours, turning occasional

Meanwhile, prepare barbecue sau Cook onion in shortening in saucep over moderate heat until tender but brown, stirring often. Stir in remaini ingredients. Bring to simmering sta simmer uncovered 20 minutes or u flavors are blended and sauce sligh thickened.

Grill ribs another 30 minutes or until f tender, brushing frequently with sa and turning as needed. Serves 4 to 6

National Pork Producers Council, 4715 Grand Ave., Des Moines, Iowa 50312

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S

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S

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GLAD

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The upper microwave oven features the General Electric Micro-Thermometer™ control. Just insert it into meats, soups, sauces, and many other foods, and set the desired temperature. Then sit back and expect to enjoy the goodness of meals cooked just the way you want them. The oven even shuts off automatically when foods are cooked to your selected temperature. It also has digital time control and gives you the cooking flexibility of multiple power levels.

The conventional oven not only gives you the convenience of General Electric's P-7® self-cleaning system, but an automatic oven timer. There are also settings for bake, time bake, broil and clean, in addition to temperature control.

THE APPLIANCES AMERICA COMES HOME TO.

GENERAL ELECTRIC

DAVID STUBB

Crunchy mixed sprouts *go in and on this spinach salad; sprout a jarful at home*

In salad, sandwich, crêpes... crunchy variety with mixed sprouts

Grow your own or buy a package—it's the mixed sprouts in these three recipes that provide crunchy variety in texture and flavor.

In some stores you can now buy packages of ready-to-use mixed sprouts. Or you can use a combination of widely available alfalfa and bean sprouts. To sprout your own jarful, you'll need seeds; they can be found in some food markets and in many health food stores. Bulk quantities of the seeds can also be purchased from mail-order seed catalogs. You'll also need a wide-mouth quart jar and a ring fitted with fine wire mesh or nylon netting. Allow 4 to 5 days for the seeds to sprout.

Our recipes call for 1 quart of mixed sprouts or a combination of 4 ounces alfalfa sprouts and 7 ounces bean sprouts, coarsely chopped.

Sprout a fresh mixture at home

For 1 quart mixed sprouts, pour 1 tablespoon *each* alfalfa, lentil, and sunflower seeds into the jar and add about 1 cup warm water. Cover jar with mesh or netting and soak seeds overnight. Next day, discard any seeds or hulls floating on top; replace the mesh top and drain through mesh; rinse and drain again. Lay the jar on its side in indirect light; rinse and drain at least twice a day for 4 to 5 days. When fully sprouted, the alfalfa sprouts will have green leaves and the lentil and sunflower sprouts will be ½ to 1 inch long. Sprouts may be refrigerated in the jar up to 1½ weeks.

Mixed Sprouts and Spinach Salad

- 1 bunch (about 1 lb.) spinach
- 1 quart mixed sprouts
- 1 bunch radishes, thinly sliced
- 4 to 6 slices bacon, cooked crisp and crumbled
- 4 to 6 hard-cooked eggs, sliced
- Watercress dressing (recipe follows)

Thoroughly wash and drain spinac leaves; pat dry. Tear into bite-size pieces and combine in a bowl with th sprouts, radishes, bacon, and egg slices Add watercress dressing and mix. Spoo into a large bowl to serve. Serves 4 to 6

Watercress dressing. In a blender, whir until smooth ¾ cup watercress sprig (piled lightly); ¾ cup mayonnaise; clove garlic, minced or pressed; and tablespoon lemon juice. Add salt an pepper to taste. Cover and chill if mad ahead. Makes about ¾ cup dressing.—*J. W., Santa Monica, Calif.*

Sprout-wiches

- 4 eggs, slightly beaten
- 2 cloves garlic, minced or pressed
- 1 teaspoon dill weed
- ¼ to ½ teaspoon cayenne
- 2 tablespoons chopped parsley
- 2 tablespoons soy sauce
- 1 quart mixed sprouts
- ½ cup *each* chopped green onion and fresh mushrooms
- 2 tablespoons chopped radishes
- About 2 tablespoons salad oil
- Butter or margarine
- 4 English muffins, bagels, or hamburger buns, split
- 8 slices American, jack, or Swiss cheese

Combine eggs, garlic, dill weed, cay enne, parsley, and soy sauce in a larg

SUNSE

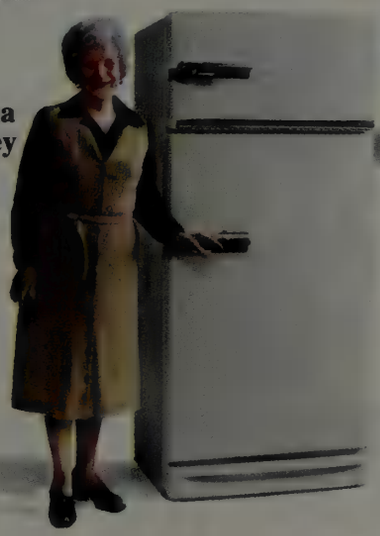
"THE BEST REASON FOR BUYING A NEW GE REFRIGERATOR IS AN OLD GE REFRIGERATOR." —The Steele Family.

Jane Steele
Verona, New Jersey

GE refrigerators are really built to last. And my old "Monitor" is lasting proof!

Talk about a great investment! I got it in 1957, when it was 23 years old. And it still works like a charm.

Of course, it doesn't have all the improvements and innovations General Electric's added over the years. But it shows how dependable GE refrigerators are. As I told my daughter Mary Ellen, they just can't be beat!



Great Aunt Agnes Spina
West Orange, New Jersey

I've spent nearly half a century depending on GE refrigerators.

We bought one of these in the mid-fifties, after giving away the faithful "Monitor" Jane has now.

What a workhorse! Soda was always cold, ice cream was hard, and it never needed any service.

So naturally when we modernized again five years ago, we went right back to GE for a big, beautiful side-by-side.

General Electric refrigerators really hold up. We've had enough of them to know!

Mary Ellen Steele Burns
Totowa, New Jersey

General Electric is a name you grow up with. You know it's dependable.

So we felt confident that our lower-priced GE refrigerator would give us the same quality and reliability as the most expensive model.

My mother told me GE refrigerators were the best kind, and of course we did a lot of shopping around.

No other brand had the features GE did for the same money. Or was as nice-looking, inside and out.

Suzanne Steele Walsh
Morristown, New Jersey

Having had GE refrigerators in the family for so long impressed me more than any brochure or sales talk.

So when we buy our new refrigerator, it won't be a question of "whether GE," but of "which GE."

And I think I know which—this gorgeous dream of a side-by-side!

It has plenty of space, important with our five children. And adjustable glass shelves, great for cleaning up spills.

Separate temperature control for the meat pan. Automatic defrosting. And the GE dispenser that gives you chilled water, ice cubes, even crushed ice. I love the 'New Naturals'™ colors, too—so soft!

The reliability General Electric's been building into their refrigerators since Great Aunt Agnes bought hers makes me feel really confident.

Maybe some day *my* GE refrigerator will become a family heirloom too!

THE APPLIANCES AMERICA COMES HOME TO.

GENERAL ELECTRIC

Summer Barbecue Sauce

½ c catsup
2 Tbsp Crescent Chopped Onion Flakes
¼ c brown sugar
½ tsp Crescent Ground Black Pepper
½ c water
¼ tsp Crescent Crushed Red Pepper
1 tsp Crescent Smoke Flavored Salt

Combine all ingredients in a saucepan. Bring to a boil, reduce heat and simmer 10 minutes or until thickened. Use to baste chicken, ribs, hot dogs or other meats. Makes about 1 ¼ c sauce. A tasty do-it-yourself savings.

A barbecue flavor for every taste.

Try our new Smoke Flavored Salt on barbecue meats!

CRESCENT FOODS

bowl; mix in sprouts, green onion, mushrooms, and radishes. Set aside.

Lightly coat the bottom of a large frying pan with about 1 tablespoon salad oil and place over medium heat. Measure out about ½ cup of the sprout mixture and turn into hot pan. With a spatula shape into a 4 to 5-inch patty by turning outside edges of mixture toward center. Add more of the egg, if needed, to bind. Repeat to fill the pan with patties. Cook until golden on one side, 2 to 3 minutes, then loosen with spatula and turn. Cook other side until golden, 1 to 2 minutes. Repeat with remaining mixture to form 8 patties; add more oil if needed.

Meanwhile, spread cut sides of rolls or buns with butter and place in a broiler or toaster oven to brown. Place a sprout patty on each toasted half and top with cheese. Return to broiler to melt cheese, 1 to 2 minutes. Serves 8.

Sprout Crêpes

About [illegible] tablespoons butter or margarine
¾ teaspoon *each* salt and sugar
⅛ teaspoon pepper
½ teaspoon prepared mustard
1 quart mixed sprouts
3 eggs, slightly beaten
½ cup all-purpose flour (unsifted)
⅜ teaspoon salt
1 cup milk
Crêpe fillings (suggestions follow)

Melt 3 tablespoons of the butter in a medium-size frying pan and stir in salt, sugar, pepper, and mustard; stir in sprouts. Reduce heat to low, cover, and steam until sprouts are just tender, about 3 minutes. Remove from heat; let cool.

In a bowl, combine the eggs, flour, and salt; beat until smooth. Gradually beat in milk; add sprout mixture. Set aside.

For each crêpe, melt about ¼ teaspoon butter in a 6 to 7-inch crêpe pan over medium-low heat. When hot, pour in about ⅓ cup of the batter and quickly tilt pan to cover bottom. Spoon out about ⅓ cup sprout mixture and distribute evenly over batter. Cook until golden, about 2 minutes on each side; turn with a spatula. Remove crêpes from pan and stack on a plate. If made ahead, cool completely and refrigerate up to a week or freeze. Bring to room temperature before filling.

Prepare one of the fillings and fill crêpes as directed. Fold over and arrange on an oven-proof serving platter or baking dish (about 9 by 13 inches), overlapping edges slightly. Cover loosely with foil and bake in a 300° oven until heated through, about 15 minutes. To reheat in a microwave oven, arrange half the crêpes on a small serving dish, cover with clear plastic wrap, and cook at half power 1 to 1½ minutes per crêpe, turning dish once, until heated through. Repeat with remaining half. Makes 5 to 6 servings of 2 crêpes each.

Curried chicken filling. Combine 4 cup

DAVID STUBBS

Tender crêpe *made from a sprout batter encloses curried chicken*

cubed, cooked chicken; 1 can (8 oz.) water chestnuts, drained and sliced; ½ cup *each* chopped green onion and toasted slivered almonds. Stir in 1 cup mayonnaise seasoned with 1 teaspoon curry powder, ½ teaspoon garlic salt, and cayenne to taste. Use about ½ cup filling in each crêpe.

Deviled shrimp filling. Mix 1 pound cooked baby shrimp with ¼ cup chopped green onion, ½ cup mayonnaise, ½ teaspoon prepared mustard, and salt and pepper to taste. Use ¼ cup filling in each crêpe.

Serve with avocado slices to tuck inside; garnish with lemon wedges.

Bacon, sprouts, and tomato filling. Spread 1 teaspoon mayonnaise on each crêpe; top with 1 slice bacon, cooked until crisp; heat. Serve with tomato slices and sprouts to tuck inside. □

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Drag knife tip *through chocolate icing to create design on cream-filled napoleons*

DARROW M. WATT

Your very own napoleons

Cream-filled napoleons are made with the same puff pastry dough described on page 152. Although they do take time to make, they can be assembled in stages, and they're an impressive dessert for any occasion. You can also make these napoleons with purchased frozen puff patty shells.

Napoleons

Prepare 1 recipe Easy Puff Pastry or thaw 2 packages (10 oz. *each*) frozen puff patty shells.

On a lightly floured board, roll out ½ recipe of puff pastry into an 8 by 16-inch rectangle. Or, working with 1 package of patty shells, stack up the 6 rounds of dough on a floured board. With the heel of your hand, press down shells to flatten slightly, then roll out into an 8 by 16-inch rectangle.

Trim edges to even, then cut dough into 16 rectangles, each 2 by 4 inches. Ar- tasty do-it-you. inch apart on brown aking sheets (if using rown paper and place s). Cover lightly with and chill at least 30 day. Repeat with sec- kage of dough.

n a 400° oven until o 12 minutes; cool on e ahead, wrap airtight n temperature up to 2 o recrisp, unwrap and eets in a 325° oven for cool on racks.

d, prepare icings (rec- at a time, hold a pastry nd and spread a thin g over 16 of the pastry pieces. Let dry slightly, then drizzle two thin streaks of chocolate icing lengthwise down top of each piece. Drag a knife tip through chocolate to create design shown in photographs above. Place pastry on trays to dry, iced sides up.

Up to 4 hours ahead of serving, spread a scant ¼ cup cream filling (recipe follows) over the 16 plain pastry pieces. Place an iced pastry on top of each. Cover lightly and set in a cool place or refrigerate until serving. Leftover napoleons can be refrigerated up to a day, but pastry will soften. Makes 16.

Icing. Stir together 1 cup unsifted powdered sugar and 3 to 4 teaspoons warm water until icing is smooth and spreads easily. For chocolate icing, melt ¼ cup semi-sweet chocolate baking chips with 1 teaspoon white corn syrup over hot water (or in a microwave oven); stir in 1 to 2 teaspoons warm water so icing will drizzle easily.

Cream filling. Cook 1 package (about 3 oz.) vanilla pudding and pie filling according to directions, but use only 1½ cups milk. Place a piece of waxed paper on pudding surface; let cool, then chill.

Meanwhile, in a small metal measuring cup or saucepan, soften 1½ teaspoons unflavored gelatin in 1½ tablespoons water. Stir over low heat until dissolved; cool to lukewarm. In a deep bowl, beat 1 cup heavy cream with an electric mixer until soft mounds form, then gradually beat in the dissolved gelatin and continue beating until stiff. Beat in ½ teaspoon rum extract. Stir the chilled pudding well to break up lumps, then fold in the whipped cream. Cover and chill up to 1 week. □

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DARROW M. WAT

A blend *of seasoned cheeses, this spread is served in its own shell*

Four-cheese mix in the Camembert

A round of Camembert, hollowed ou and then stuffed with its own content whipped with other cheeses and season ings, makes an attractive appetizer. Pre pare the mixture at least a day ahead s the flavors can blend and mellow.

Stuffed Camembert Appetizer

- 1 medium-ripe whole (8 oz.) Camembert cheese
- 1 small package (3 oz.) cream cheese
- 1 small wedge (1¼ oz.) Roquefort, crumbled
- 1 cup (4 oz.) shredded Cheddar cheese
- 1 small clove garlic, minced or pressed
- 1 teaspoon Italian herbs (or ¼ teaspoon *each* dry basil, oregano, rosemary, and thyme leaves)
- 1 tablespoon chopped parsley
- 2 tablespoons soft butter
- ¼ cup thinly sliced green onion
- Crackers or Melba toast

Chill the Camembert until very cold With a sharp knife, cut around top about ¼ inch in from edge, cuttin down about ½ inch into cheese. With spoon, carefully scoop out cheese (to rind too), leaving the ¼-inch-thick shel intact. Wrap shell and chill.

Let Camembert, cream cheese, Roque fort, and Cheddar warm to room tem perature. Then beat combined cheese with an electric mixer until very smoot and creamy. Beat in the garlic, herbs parsley, and butter; stir in green onion Mound mixture into Camembert shell Cover; chill for 1 to 4 days. Let stan at room temperature for about 1 hou before serving. Serve with crackers Makes about 2 cups.

Mary Evans and Country Pride® just convinced the twins there's more to life than hot dogs.

Tommy and Terry Evans are quick to turn thumbs down when there's something new on the menu. So their mom was delighted to discover Country Pride chicken and our kid-pleasing recipe for Mexican Drumsticks. It's easy to prepare and fun to eat a main dish that starts with Country Pride fresh chicken—the chicken that's specially selected and individually certified to be something more than just "Grade A." Meatier. More flavorful. Treat your family to the taste of Country Pride tonight. And watch your picky eaters come running—on the double.

MEXICAN STYLE DRUMSTICKS

10 Country Pride chicken drumsticks
¼ c. butter or margarine
1 env. (1¼ oz.) taco seasoning mix
4 to 5 tsp. picante sauce
¾ tsp. sugar
¼ tsp. salt
1¼ c. finely crushed corn chips

Melt butter or margarine. Stir in taco mix, picante sauce, sugar and salt. Roll or spread each Country Pride drumstick in mixture; then roll in chips using a small amount of chips at a time. Place chicken, not touching, in a greased shallow baking pan or on a rack in a shallow pan. Bake 350° oven for 50 to 60 minutes. Serves 4-5. If desired, serve with picante sauce. This recipe is delicious with other Country Pride chicken pieces. Serve with red new potatoes, tater tots or french fries.

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Country Pride will do you proud.

It's fig time. And here is a useful chopped-fig mixture

Thanks to a pleasant quirk of nature, figs appear twice each year—this month and again in late August or early September. If you have a fig tree, you'll soon want to use up an abundant crop.

Here's an idea that might help: You can chop the ripe figs, add a little sugar and lemon juice, and use the mixture to make bar cookies, ice cream, or a coffee cake. Or freeze the chopped-fig mixture to use in these recipes later. Use any variety of fig: Black Mission, Calimyrna, White Adriatic, Kadota, or Brown Turkey.

Chopped fig mixture. Wash 2 pounds (about 15 large) fully ripe figs; cut off stems and blossom ends. Coarsely chop; you should have about 3½ cups. Combine with 2 tablespoons lemon juice and ½ cup sugar. Use in one of the following recipes, or cover and freeze. Makes about 3½ cups.

Buttery Fig Bar Cookies

In a saucepan, place about 3½ cups chopped fig mixture (thaw first if frozen). Cook over medium heat, stirring often, until thick and reduced to 2 cups. As mixture thickens, reduce h to prevent scorching; let cool.

Beat ¾ cup (⅜ lb.) butter or margar with 1 cup packed brown sugar u creamy. Stir together 1¾ cups all-p pose flour (unsifted) and ½ teaspo

DARROW M. WATT

Fresh *fig layer fills these tasty bar cookie*

What's a hamburger without a shake.

Sprinkle Lawry's Seasone Salt on your next hamburge And stand back.

You've just created a crow pleaser. A brand new dish. A savory, tantalizing treat that makes you a barbecue expert in a shake.

What Lawry's magical blend of salt, herbs and spices did for the hamburge it can do for soups, salads, chicken and vegetables.

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LAWRY'S

A cook's best friend.

h soda and salt; add to the mixture mix well. Stir in 1½ cups rolled s (mixture will be crumbly). Press the mixture evenly over the bottom a greased 9 by 13-inch baking pan. ead fig mixture over crust. Top with aining oat mixture; pat lightly.

e in a 400° oven for 20 to 25 min- or until lightly browned. Cool in on rack. While still warm, cut into s. Makes about 2½ dozen.

sh Fig Ice Cream

a blender, whirl until smooth 3½ s chopped fig mixture (thaw if fro-), 2 tablespoons lemon juice, ¼ tea-on salt, and 2 teaspoons vanilla.

h a mixer, beat 3 eggs with 1¼ to cups sugar until thick and lemon ored. With mixer on low, gradually t in 1 quart light cream (half-and-). Stir in the fig mixture; taste, then more sugar if desired.

r mixture into a 1-gallon (or larger) d-crank or electric ice cream freezer n't fill more than ⅔ full). Assemble zer according to manufacturer's di-ions, using a ratio of about 3 parts ped ice to 1 part rock (ice cream) . When hand-cranking becomes dif-lt or electric motor stalls, remove her attachment. Cover tightly and ze until solid. Makes about 2½ rts.—*L. C., Menlo Park, Calif.*

sh Fig Coffee Cake

a pan, place about 3½ cups chopped mixture (thaw first if frozen). Seed finely chop half a whole lemon; add igs along with ¼ cup water and ½ raisins. Cook over medium heat, ring often, until thick and reduced to ups. As mixture thickens, reduce heat revent scorching; let cool.

a large bowl, beat 1 egg with ½ cup *h* packed brown sugar and salad oil, ½ teaspoon vanilla until smooth.

another bowl, stir together 2 cups purpose flour (unsifted), 3 teaspoons ing powder, ½ teaspoon *each* salt ground cinnamon, and ¼ teaspoon *h* ground cloves and ginger. Add flour ture and ¾ cup milk alternately to egg mixture, blending well after each ition.

on half the batter in a greased 8 by inch baking pan. Spread fig mixture r top, then spoon remaining batter nly over fig layer. Sprinkle crumb ping (recipe follows) over top, press-lightly with a fork.

e in a 350° oven for 45 minutes or l a pick inserted comes out clean. in squares; serve warm or cooled. es 12.—*Y. V., Portland.*

mb topping. Combine 1 cup lightly hed corn flakes with ½ cup chopped uts, ¼ cup packed brown sugar, ¼ poon ground cinnamon, and 3 table-ns melted butter or margarine. □

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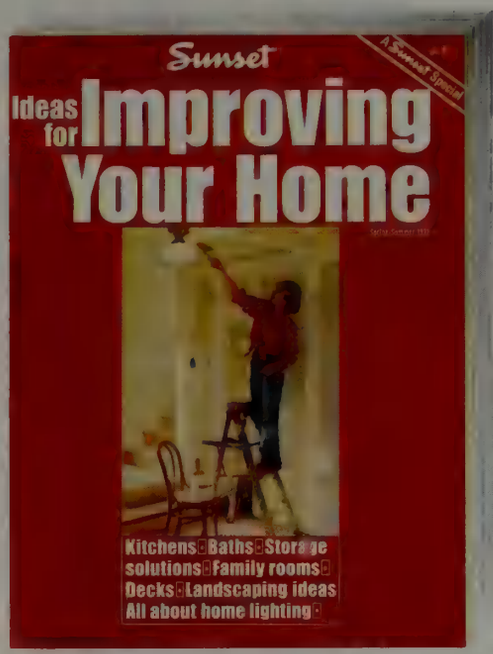

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DARROW M. WATT

Peppery warmth *of Indian spices flavors sweet-sour chicken. Serve with plain yogurt, rice, and bread. Garnish with lemon wedges and cilantro*

Sweet-sour chicken, India style

Flavors of India permeate this sweet-sour chicken made with a lively mixture of herbs and spices, resembling the ones that Indian cooks put together in their curry dishes.

The chicken simmers in an onion-laden sauce which has a hint of hotness—a pleasing contrast to the cool, creamy yogurt served alongside.

Serve the chicken with rice and yogurt; add a leafy salad or green vegetable and bread, if you wish. Garnish with lemon wedges to squeeze over for more sour, less sweet, balance of flavors.

Indian Sweet and Sour Chicken

- 3 pounds chicken legs and thighs, attached (about 6)
- ⅓ to ½ cup regular all-purpose flour, unsifted
- 4 tablespoons salad oil
- 2 medium-sized onions, thinly sliced
- 3 large cloves garlic, minced or pressed
- About 3 tablespoons sugar
- 2 tablespoons finely chopped fresh ginger
- 1 tablespoon *each* paprika and ground turmeric
- 1 teaspoon ground coriander
- ¼ teaspoon *each* ground cardamom, pepper, and cayenne
- ⅓ cup red wine vinegar
- 1 can (about 13 oz.) regular-strength chicken broth
- Salt
- 2 tablespoons toasted sesame seed
- Lemon wedges and fresh coriander sprigs (also called cilantro)
- Hot cooked rice
- Unflavored yogurt

Dredge chicken pieces in flour to coat. Heat 3 tablespoons of the oil in a large frying pan over medium-high heat. Add chicken and cook, turning, until golden brown on both sides. Remove chicken and set aside.

To the same pan, add remaining oil, the onions, and garlic, and cook over medium heat until onion is golden. Stir in 2 tablespoons of the sugar, the ginger, paprika, turmeric, coriander, cardamom, pepper, and cayenne. Cook, stirring, for about 1 minute, then blend in vinegar and chicken broth. Add chicken pieces, cover, and simmer for about 30 minutes, or until chicken is no longer pink when slashed near the bone.

Remove chicken to rimmed serving platter. Skim fat from sauce, then add salt to taste, and additional sugar if sweeter flavor is preferred. Pour sauce over chicken and sprinkle with sesame seeds. Garnish with fresh coriander sprigs and lemon wedges. Accompany with rice and unflavored yogurt. Serves 4 to 6.—*L. H., Los Angeles.* □

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(serves six)

1½ cups water
6 Bigelow Plantation Mint® tea ba
(or 6 tsp. Plantation Mint instant tea)
5 cups unsweetened grape juice
2 cups unsweetened apple juice

To prepare Plantation Mint tea ba

Tea bags: Place Plantation Mint tea ba warmed teapot. Pour in 1½ cups fre boiled water. Cover. Steep 7 minute Discard tea bags. Stir. Let stand at r temperature to cool.

Instant tea: Dissolve Plantation Mint instant tea in 1½ cups cold water.

Pour Plantation Mint tea base into 3 q pitcher. Add chilled grape and apple j tea base. Stir. Pour into ice-filled glass

Optional garnish: **12 purple grapes, 1 eggwhite, 1 Tbsp. water, ⅓ cup 6 cocktail skewers.**

Beat eggwhite and water until soft pea Dip grapes into eggwhite mixture, the sugar. Let grapes dry one hour before with cocktail skewer.

Here's something special for your summertime enjoyment. We've taken four of our teas and created 12 super summer recipes that are delightful, refreshing, and easy to prepare. They include punches, desserts, coolers, and tasty low-calorie treats.

Try the recipe for our Purple Sunset on the adjacent page and see for yourself. I guarantee you will be a big hit with family and friends when you serve any one of the deliciously different drinks in our free recipe booklet. Send for yours today.

David C. Bigelow

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uperb summer drinks start with

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Fluffy chiffon crêpes are lemon-pie-like

Light and lemony—that's the best way to describe these dessert crêpes. Their sweet but tart filling and the airy quality of beaten egg whites may remind you of a fluffy lemon chiffon pie.

You can make the crêpes and filling (and slice the strawberries) well ahead of serving. Then beat the egg whites and fill the crêpes just before baking. To complement a special meal, slip the filled crêpes into the oven as you sit down to dinner; after baking, they can stand up to 30 minutes or so before serving.

Lemon Chiffon Crêpes

- 10 to 12 crêpes (each 6 to 7 inches in diameter), at room temperature
- 1 cup sugar
- 3 tablespoons cornstarch
- 2 eggs, separated
- 1 cup water
- 2 tablespoons butter or margarine
- 1½ teaspoons grated lemon peel
- ⅓ cup lemon juice
- Sliced strawberries, sweetened

Prepare the crêpes using your favorite recipe or a mix.

In a 1½-quart saucepan, stir together ¾ cup of the sugar and the cornstarch. Lightly beat together the egg yolks and water, then stir into saucepan. Cook over medium heat, stirring constantly with a wire whip until mixture boils and thickens. Boil, stirring, for 1 minute. Remove pan from heat and blend in the butter, lemon peel, and juice. Cover with clear plastic wrap and let cool to room temperature (this much can be done ahead).

To fill the crêpes, beat the egg whites until very foamy. Add remaining ¼ cup sugar, a tablespoon at a time, beating well until stiff peaks form. Stir the cooled lemon mixture, then gently fold in the beaten whites. Spoon 2 or 3 tablespoons of the filling down the center of each crêpe; roll to enclose. Place the crêpes, seam side down, in a buttered 9 by 13-inch baking dish.

DARROW M. WATT

Fresh strawberry *slices top puffy lemon chiffon dessert crêpes*

Bake, uncovered, in a 400° oven for 1[illegible] minutes or until centers spring ba[illegible] when lightly touched; then let crêp[illegible] cool slightly before serving.

Pass sliced strawberries at the table f[illegible] a topping. Makes 5 or 6 servings of crêpes each.

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Nothing good happens fast. Paul Masson

Paul Masson Vineyards, Saratoga, Calif. © 1977

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Offer Expires December 31, 1978

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Spanish beef and barley is quick . . . and a praise-winner

DAVID ST

Hot beef and barley *is tucked into Arab pocket bread, topped with yogurt*

This quick meal should earn you easy compliments. The slightly nutty flavor of barley combines with ground beef and raisins to create a tasty dish that can be prepared in a frying pan in about one hour. A microwave oven cuts the cooking time to about 20 minutes for an even faster meal.

Serve this versatile dish in a casserole or bowl, accompanied by a basket of Arab pocket bread, softened flour tortillas (directions follow), or, for the calorie-conscious, crisp butter lettuce leaves. Yogurt makes a cool and creamy topping.

Soften tortillas in an ungreased frying pan or griddle over medium heat until they puff, about 30 seconds each side, *or* place three or four tortillas between t dampened paper towels and heat i microwave oven 1 minute.

Spanish Beef and Barley

- 1 pound lean ground beef
- 1 large onion, coarsely chopped
- 1 cup seeded and chopped green pepper
- 1 clove garlic, minced or pressed
- 1 can (16 oz.) tomatoes
- 2 tablespoons chile powder
- 1 teaspoon ground cumin
- 1 teaspoon oregano leaves
- 1 cup pearl barley
- 1½ cups water
- 1 cup raisins
- Salt and pepper

Heat a wide frying pan over medi heat; add beef and cook until crumb Stir in onion, green pepper, and ga and cook until onion is limp. Drain cess fat. Stir in tomatoes and their liq (break up tomatoes with a spoon), ch powder, cumin, oregano, barley, a water; bring to a boil. Reduce he cover, and simmer 35 to 40 minutes until barley is tender to bite. Add rais and season to taste with salt and pepp

To cook in a microwave oven, crum ground beef into a 2½-quart casser and stir in onion, green pepper, and g lic; cover and set aside. Drain liq from tomatoes into another 2½-qu casserole and set tomatoes aside. A chile powder, cumin, oregano, barl and water to the tomato liquid, stirr to mix. Cover and cook in the mic wave oven for 15 minutes. Remove fr oven, do not uncover, and set aside absorb liquid.

Cook ground beef mixture 8 minutes until ground beef is no longer pink; in tomatoes (break up with a spoo Test barley for tenderness (if not tender to bite, return to oven for 2 t minutes). Add barley mixture to grou beef. Stir in raisins and season to ta with salt and pepper. Cover and let sta about 10 minutes. Makes 8 servings.

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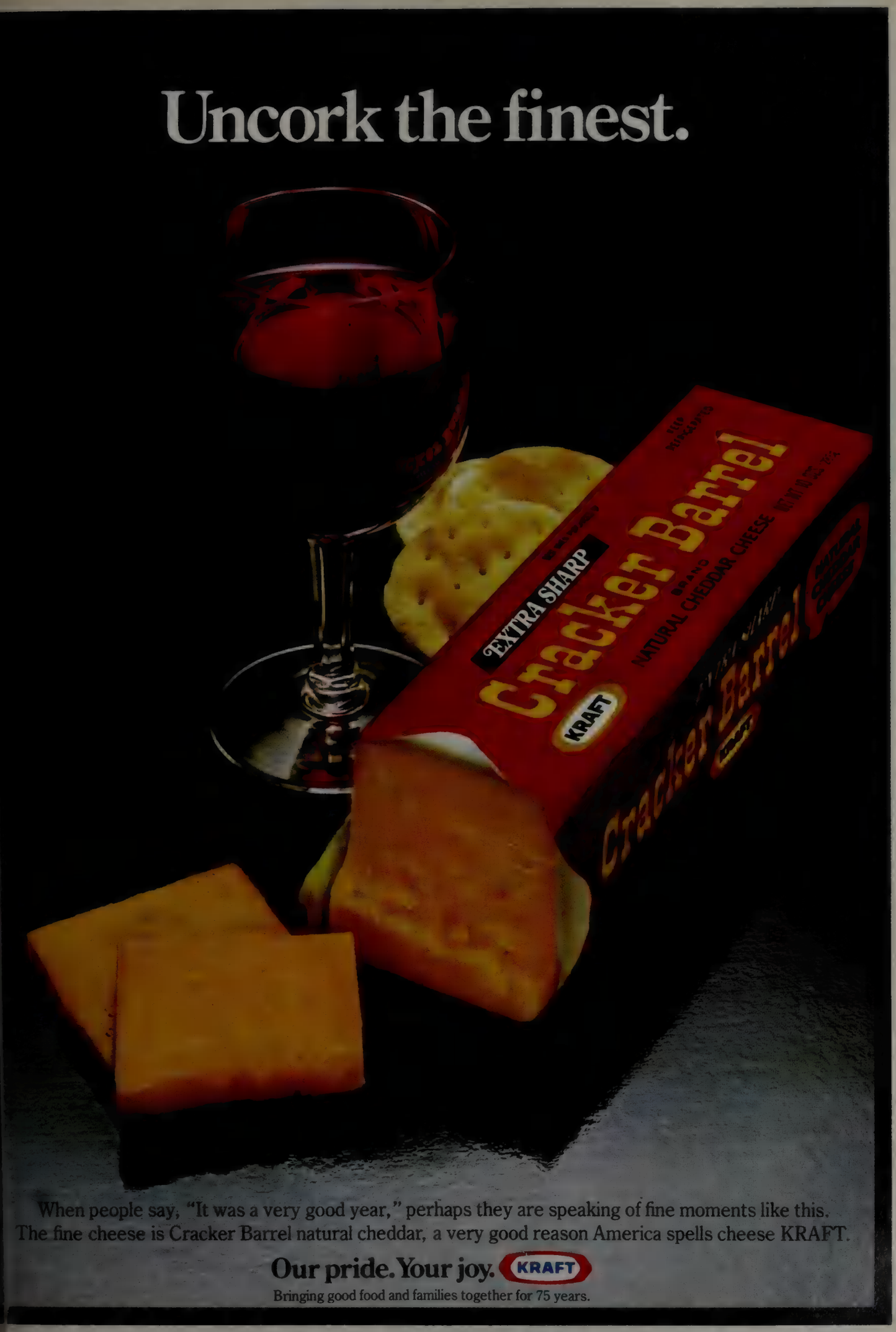
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DARROW M. WATT

Spoon chopped egg *over shredded cheese and hot soup. For zest, serve with bacon, green onions, sour cream, taco sauce*

Soups wi

Cold condiments offered at the ta allow your guests to dress up these t soups as much as they choose.

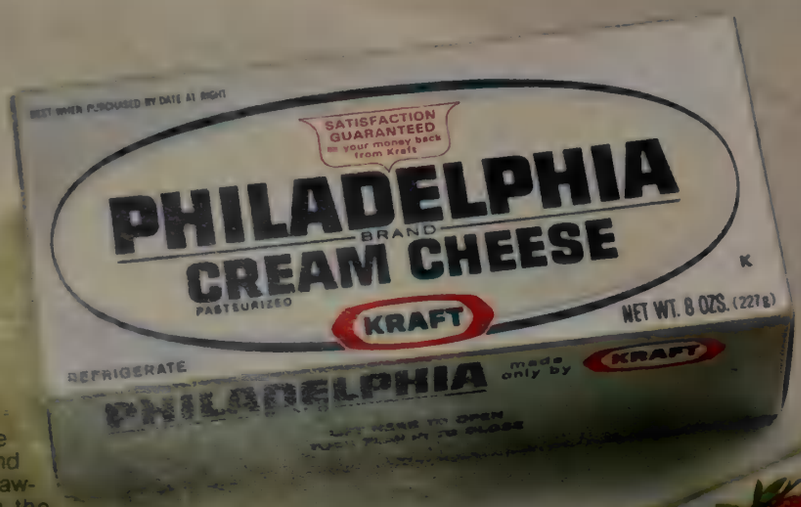
Serve the Mexican avocado soup w vegetable sticks for a light supper. T cold tomato and yogurt soup make good hot weather lunch or first cou to a company meal.

Mexican Avocado Condiment Soup

- 4 or 5 slices bacon
- 1 large onion, chopped
- 1 clove garlic, minced or pressed
- 1 large can (1 qt. 15 oz.) regular-strength chicken broth
- 1 can (16 oz.) tomatoes
- 2 medium-sized carrots, thinly sliced
- 2 medium-sized potatoes, diced
- 1 teaspoon sugar
- 2 teaspoons salt
- ½ teaspoon pepper
- 2 medium-sized ripe avocados
- Lemon juice
- ½ pound *each* shredded jack cheese and Cheddar cheese (about 2 cups *each*)
- Condiments (suggestions follow)

In a 6 to 8-quart kettle, fry bacon u crisp; remove and drain. Crumble sli

The Cream of Cheese.



Now that you've mastered crepe-making, do something really memorable with those elegant little pancakes. Roll them around a delicious version of strawberries-and-cream, with the Cream of Cheese, Philadelphia Brand cream cheese.

ditions . . . for surprise, zest, color, crunch

set aside to use as a condiment.

l onion and garlic to drippings in pan sauté over medium heat until onions limp, about 10 minutes. Add the ken broth, tomatoes and their liquid, ots, potatoes, sugar, salt, and pep- Bring to boil, then reduce heat, er, and simmer until potatoes and ots are tender, about 25 minutes. If le ahead, cool and refrigerate or ze; reheat before serving.

ile soup is simmering, peel avocados, into thin slices, and set out in a serv- dish. Lightly coat with lemon juice. o set out cheeses, the crumbled on, and other condiments.

serve, line soup bowls with cheese avocado slices. Ladle hot soup into ls, then add more condiments as de- d. Makes 6 to 8 servings.—*G. G., son, Ariz.*

diments. Choose from sour cream, pped green onions, chopped hard- ked eggs, tortilla chips, and bottled n taco sauce.

Chilled Tomato and Yogurt Bisque

- 8 medium-sized (about 2½ lbs.) tomatoes
- 1 cup unflavored yogurt
- 2 tablespoons chopped green onion
- ½ teaspoon ground cumin
- 1½ teaspoons garlic salt
- About ¼ teaspoon liquid hot pepper seasoning
- 1 medium-sized ripe avocado
- Condiments (suggestions follow)

Coarsely chop tomatoes and whirl in a blender until smooth; pour into a bowl. With a wire whisk, whip in yogurt until smooth. Stir in onion, cumin, garlic salt, and hot pepper seasoning to taste. Peel avocado, cut into thin slices, and add to soup. Cover and chill at least 3 hours.

Serve the chilled bisque with a selection of condiments from the following list. Makes about 1 quart, enough for 4 to 6 first-course servings.

Condiments. Choose from avocado cut into ½-inch cubes, diced cucumber, coarsely chopped fresh coriander (cilantro), chopped green onion, and chopped hard-cooked eggs. □

Chilled bisque *has tomato-yogurt base. Add fresh condiments for color and crunch*

The Cream of Crepes.

CREAMY STRAWBERRY CREPES

- 8-oz. pkg. PHILADELPHIA BRAND Cream Cheese
- 1¼ cups sifted confectioners' sugar
- 1 tablespoon lemon juice
- 1 teaspoon grated lemon rind
- ½ teaspoon vanilla
- 1 cup heavy cream, whipped
- 3½ cups sliced strawberries
- 8 8-inch crepes

Combine softened cream cheese, sugar, lemon juice, lemon rind and vanilla; mix until well blended. Fold in whipped cream. Fill crepe with about 1/3 cup fruit and about 1/3 cup cream cheese mixture; roll up. Top with remaining cream cheese mixture and remaining fruit. 8 servings

America Spells Cheese KRAFT KRAFT

JUNE MENUS

Outdoor steak barbecue Central American style... a supper that's just do-it-yourself, an early brunch

To honor Dad on June 18, a grand outdoor feast is traditional with many Western families. The perennial favorite—barbecued steak—takes on a new dimension when it's presented the El Salvadorian way, along with corn on the cob and a cumin-flavored cole slaw.

When teenagers gather after a graduation swimming party, Mexican burritos are a good choice. Our do-it-yourself version assures that their hearty appetites will be satisfied.

For your houseguests or neighbors to enjoy, we propose a leisurely brunch you can serve on the patio.

DARROW M. WATT
Pleased young chef *lifts grilled steak from barbecue to carving board. Chirmol and lime wedges can enhance its flavor*

Barbecue, El Salvador-style

In Latin America, charcoal-grilled meat is often served with a fresh tomato relish called *chirmol* and a squeeze of lime. Here, where beef is aged longer, the combination is even more delicious.

Beef Steak with Chirmol and Lime
Corn on the Cob
Cumin Cabbage Slaw
Crusty Rolls Butter
Chilled Watermelon

Choose a big, thick steak, such as the first cut of top round, often called London broil at meat markets; allow about ⅓ pound per serving. If desired, marinate the steak in your favorite oil and wine vinegar marinade.

An hour or more before serving, ignite enough charcoal briquets to make a solid bed of coals the size of the steak. In 30 to 45 minutes, when the charcoal is covered with gray ash, place steak on grill about 6 inches above the medium-glowing coals. Cook about 15 minutes per side for rare, or until done to your liking when slashed.

To serve, cut in thin slanting slices. Pass chirmol and lime wedges to embellish each serving.

Chirmol

- 4 medium-sized tomatoes
- 1 medium-sized onion, finely chopped
- ⅓ cup finely chopped green pepper
- 1 tablespoon finely chopped fresh coriander (cilantro)
- 2 teaspoons finely chopped fresh mint or crumbled dry mint
- ½ teaspoon garlic salt
- ¼ to ½ teaspoon liquid hot pepper seasoning

Peel, seed, and chop the tomatoes; you should have about 2 cups. Combine tomatoes, onion, green pepper, coriander, and mint. Stir in garlic salt and hot pepper seasoning to taste. Cover and chill as long as 3 days. Makes about 2½ cups.

Cumin Cabbage Slaw

- ½ cup *each* mayonnaise and sour cream
- ½ cup buttermilk
- 1 tablespoon *each* Dijon mustard and white wine vinegar
- [illegible] teaspoons cumin seed
- 8 cups finely shredded cabbage
- 1 cup finely shredded carrot
- 6 to [illegible] radishes, thinly sliced
- ¼ cup thinly sliced green onion
- Salt and pepper

Blend mayonnaise with sour cream u smooth. Stir in buttermilk, must vinegar, and cumin. Cover and chill.

In a salad bowl, combine the cabb carrot, radishes, and green onion. P over dressing and mix well; seasor taste with salt and pepper. Makes ab 6 servings.—*J. L., Menlo Park, Ca*

Mexican get-together

For lunch, supper, or late-night sna ing, simply set out the fillings and tillas for burritos and let everyone semble and cook his own.

Make-your-own Burritos
Carrot and Celery Sticks
Cherry Tomatoes
Pecan Chews
Hot or Iced Coffee or Tea

You can bake the pecan chews ahe store airtight until needed.

Allow 2 to 3 flour tortillas per pers depending on appetites, and a tota

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DARROW M. WATT

They create, *then cook their own individual burritos: tortillas filled with beef, cheese, olives, or chiles*

about 6 tablespoons filling for each one. Since most of the fillings are ready-made, you might purchase extra supplies to offer as needed.

Make-your-own Burritos

Set out the following in separate containers: cottage cheese, shredded Cheddar cheese, canned diced California green chiles, sliced ripe olives, canned chile with beans, spicy ground beef (recipe follows), and a stack of flour tortillas.

For each burrito, spoon about 6 tablespoons filling (one or a combination) down the center of a tortilla. Fold the tortilla over the filling, overlapping the edges. Set a wide frying pan over medium heat and pour in just enough salad oil to coat the bottom with a thin film. Place filled tortilla, overlapped edges down, in pan and cook until lightly browned; turn over to brown other side. Serve at once. Makes 1 burrito.—*D. H., Las Cruces, N. Mex.*

Spicy ground beef. In a frying pan over medium heat, crumble 1 pound le ground beef. Add 1 medium-siz onion, chopped, and cook until beef brown and onion is limp. Stir in 2 to tablespoons tomato-based chile sauce, tablespoons taco sauce, and ¼ teaspo *each* ground cumin and oregano leav Use hot or at room temperature. Mak about 2 cups.

Pecan Chews

- 2 eggs
- 1 cup packed brown sugar
- ½ cup all-purpose flour, unsifted
- ¼ teaspoon baking powder
- ¾ cup chopped pecans
- 1 cup powdered sugar
- 1½ tablespoons milk
- ¼ teaspoon vanilla
- 24 pecan halves

Beat eggs until well combined, then be in the brown sugar. Stir in the flou baking powder, and chopped peca Evenly spoon batter into 24 greased 1 to 1¾-inch muffin cups. Bake in a 35 oven for 20 minutes or until top sprin back when lightly touched. Let cool pan for 10 minutes, then lift out a

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$ 5,000	$ 88.26	7 yrs	$2,413.84	$ 7,413.84
5,000	71.74	10 yrs	3,608.80	8,608.80
7,500	132.40	7 yrs	3,621.60	11,121.60
7,500	107.60	10 yrs	5,412.00	12,912.00
10,000	176.53	7 yrs	4,828.52	14,828.52
10,000	143.47	10 yrs	7,216.40	17,216.40

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ace on wire racks to cool completely.
ir together the powdered sugar, milk, d vanilla. Spread over tops of cup-kes and top each with a pecan half. akes 2 dozen.—*B. S., Eureka, Calif.*

Chicken livers brunch

opropriate for a lazy spring weekend, s easily handled menu centers around deftly seasoned combination of Swiss ard and chicken livers.

Strawberries
Sour Cream Brown Sugar
eamed Chicken Livers with Swiss Chard
Croissants
Café au Lait

ou can prepare the chicken liver cas-role an hour or two ahead and simply ck it under the broiler to heat it rough just before serving. For the café lait, fill each cup with equal amounts hot strong coffee and hot milk.

eamed Chicken Livers with iss Chard

- 1 large bunch Swiss chard (about 12 oz.)
- 2 tablespoons butter or margarine
- 2 tablespoons thinly sliced green onion
- 1½ pounds chicken livers, quartered
- 3 tablespoons all-purpose flour
- 1 cup milk
- ½ cup half-and-half (light cream)
- 1 teaspoon dill weed
- ½ teaspoon *each* salt and ground nutmeg
- ¼ teaspoon pepper
- 1 cup shredded Swiss cheese

nse chard well; cut stalks from leaves, en slice stalks in about ½-inch ngths. In a separate pile, coarsely chop ves. Steam stalks in a vegetable amer over boiling water for 10 min-es (or cook in a covered glass baking h in a microwave oven for 4 min-es). Then steam leaves in the steamer 3 to 5 minutes, or in the microwave en for 3 minutes, or until just wilted. rn stalks and leaves into a colander drain well.

lt butter in a wide frying pan over dium-high heat; add green onion and cken livers and cook, stirring fre-ently, until livers are firm on all sides still pink in center when slashed, out 5 minutes. Lift from pan; reserve. d well-drained chard and flour to n; stir about 2 minutes until bubbly. adually stir in milk and cream and k until thickened. Remove from heat d add livers, dill weed, salt, nutmeg, per, and ½ cup of the cheese. Spoon a shallow 2-quart casserole and inkle evenly with remaining cheese. made ahead, set aside at room tem-ature as long as 2 hours.)

t before serving, broil about 6 inches ow heat until cheese melts and sauce ubbly, 5 to 7 minutes. Serves 4 to 6. *. W., San Francisco.* □

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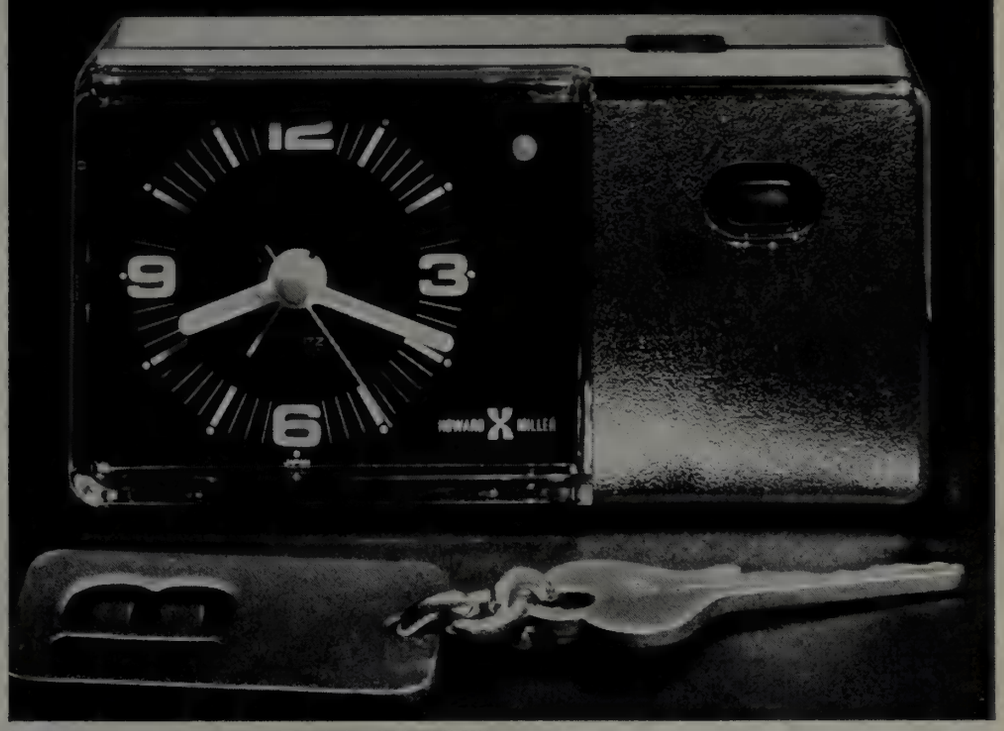

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DARROW M. WATT

Artichoke entrée *is stuffed with ham salad; extra dressing makes spicy sauce for leaves*

First you eat what's in it . . . then you eat the container

Large whole artichokes make attractive serving containers for flavorful salads. And with the extra dressing served as a dipping sauce for the leaves, you eat the containers too.

We suggest two fillings for artichokes. The first, with diced ham and crunchy vegetables, has a mustard-flavored dressing and dipping sauce. The second salad combines cooked rice with crisp bacon and diced tomato—its dressing-and-sauce is a tart, herbed mayonnaise.

Look for medium to large artichokes 3½ to 4 inches across (about 12 oz. *each*). Cut artichokes darken when exposed to air, so trim them just before cooking or place in an acid water bath (3 tablespoons vinegar per quart of water) until you're ready to cook.

Vegetable-Ham Artichoke Salad

- 6 medium to large artichokes
- Water, vinegar, and salt (optional)
- About 2 tablespoons lemon juice
- 1½ cup *each* thawed frozen peas and diced cooked ham
- 1 small tomato, seeded and diced
- ½ cup *each* chopped celery and green pepper
- 3 tablespoons *each* chopped dill pickle and sliced green onion
- Mustard dressing (recipe follows)
- 1 hard-cooked egg, chopped

Remove coarse outer leaves from artichokes and trim stems even with the base so they'll stand upright. With sharp knife, cut off the top third of ea artichoke. With scissors, trim thor from tips of remaining leaves.

To boil artichokes, use a 5-quart larger pan; bring about 4 quarts wate 2 tablespoons vinegar, and 2 teaspoo salt to boiling. Add the artichoke cover, and boil gently until stem en pierce readily with a fork, about 25 30 minutes. Drain.

To cook in a microwave oven, omit t water, vinegar, and salt. Wrap ea trimmed artichoke in clear plastic wra Cook 3 artichokes at a time on fu power for 12 to 15 minutes or until ste ends are tender when pierced.

Let artichokes cool slightly, then pu out center leaves and scrape out fuz centers with a spoon. Drizzle caviti with lemon juice; cool, wrap, and chill

For the filling, combine the peas, ha tomato, celery, pepper, pickle, and gre onion. Stir in ½ cup of the dressin then mix in the egg. Spoon filling in artichokes; serve remaining dressing dipping sauce for leaves. Serves 6.

Mustard dressing. Combine ½ cup sal oil, 3 tablespoons lemon juice, 3 te spoons Dijon mustard, ½ teaspoon p prika, 1 teaspoon garlic salt, and da pepper. Add ¾ cup mayonnaise and s to blend.

Bacon-and-Rice Artichoke Salad

- 6 medium to large artichokes
- Water, vinegar, and salt (optional)
- About 2 tablespoons lemon juice
- 1 small tomato, peeled, seeded, and diced (about ½ cup)
- 8 slices bacon, fried, drained, and coarsely crumbled
- 1 cup cold cooked rice
- ⅓ cup sliced green onion
- ½ cup thawed frozen peas
- 2 tablespoons chopped parsley
- Herbed mayonnaise (recipe follows)

Trim artichokes and boil or cook microwave oven, then chill as direct in preceding recipe.

For the filling, combine the toma bacon, rice, onion, peas, and parsl Stir in ½ cup of the herbed mayonnai spoon into artichokes and serve rema ing mayonnaise as sauce for the leav Serves 6.

Herbed mayonnaise. Combine ⅓ c olive oil or salad oil, 2 tablespoons wh wine vinegar, and ¼ teaspoon *each* basil, oregano leaves, garlic salt, a paprika. Add 1 cup mayonnaise and to blend.

What makes Wish-Bone® Italian Dressing, America's favorite.

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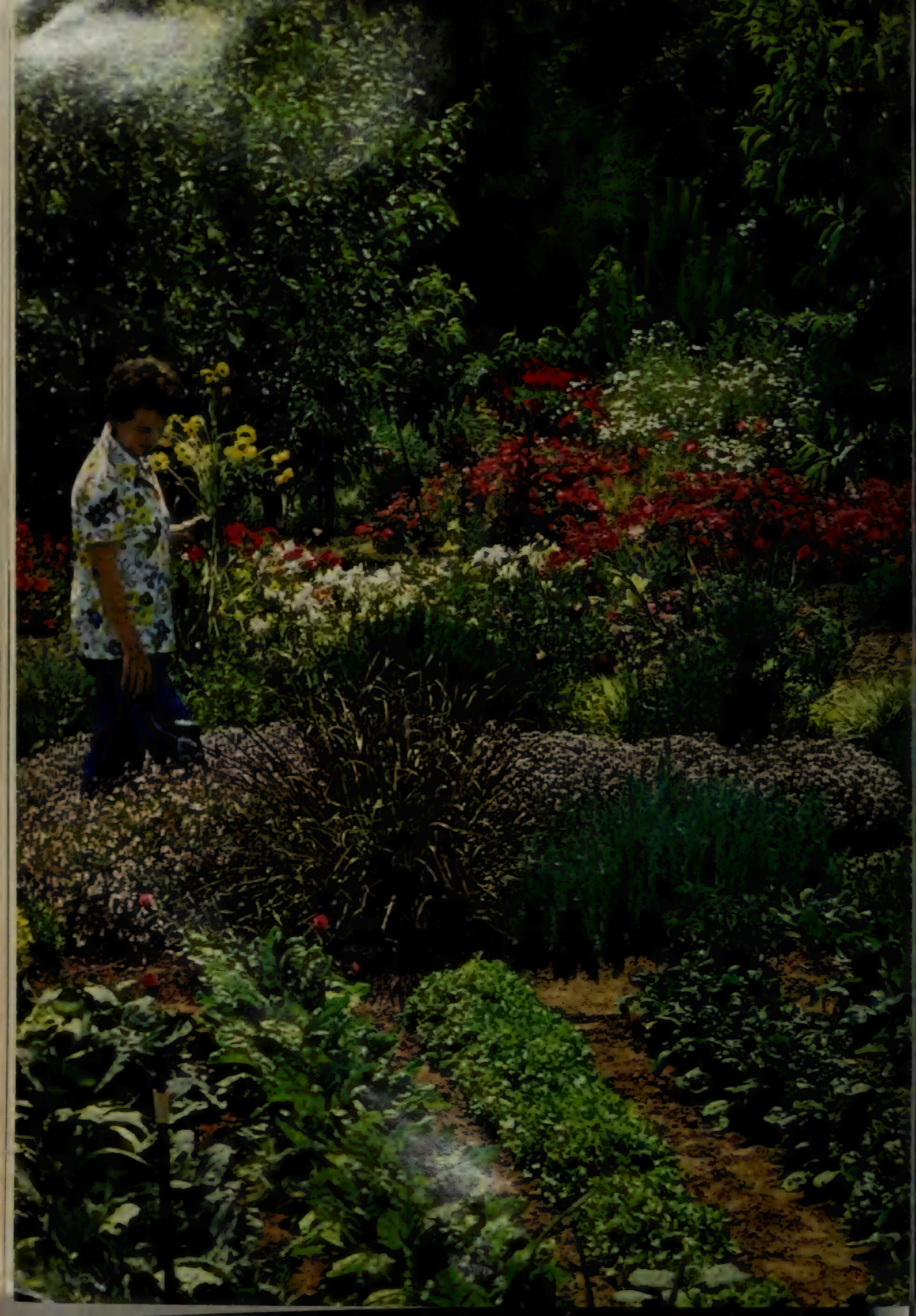


UNE IN YOUR GARDEN:

Warmth and the longest days make this a high-speed growth month, a working month

mmer starts bursting out at the seams ; month. Warm-weather plants take and grow with the long, hot days, l you may need to work well into se balmy summer evenings to stay a) ahead of your garden's needs.

/ou did most of your planting in the ing, you can concentrate on tending ır garden this month. Watering, cul- ıting, and weeding could easily take most of your time. If you're still nting, there's enough time for good wth on most of the flowers and vege- les you put in now.

er, as summer's heat builds up, you'll bably want to rest your heels in a eshingly cool spot. Shade-blooming uals planted now will brighten your summer oasis.

h moth likes Monterey pine

at globs of pitch—like gummy blis- —protrude from the bark of your trees, your trees may be harboring ıoia pitch moth larvae. These insects 't seriously harm the tree, but the h masses they leave behind may be ghtly and bothersome to you.

chemical insecticides are particularly ful. You can scrape the gummy h pockets off the bark and destroy any larvae you find just beneath the bark, but the best protection is simple prevention.

During the summer months, adult moths lay eggs on the trunks and branches of pines (usually Monterey pines) and any wound or open cut on the bark is a likely place for infestation. If you have Monterey pine trees, avoid pruning any branches now and try to protect the bark from any surface injury.

picker's paradise

through Clara Rygiol's June in Escondido, California, reveals r's paradise of vegetables, herbs, nd flowers.

oreground, there's cabbage, hard, leaf lettuce, and spinach. ordering the path include lemon- lvery artemesia, lavender- d creeping thyme, and spikes of r. In the background, fruiting e Satsuma plum and peach. ıquet is yellow coreopsis. Other in the garden include scarlet s, yellow and pink columbines, -flowered geraniums.

still time this month seeds for food, ce, and color.

Live and learn at the Farallones Institute's Rural Center

This summer you can take a "working" vacation by enrolling in one of several workshops offered by the Farallones Institute. Classes ranging from short weekend workshops to five-week residential programs will be held at their Rural Center in the Sonoma County foothills —an 80-acre ranch 70 miles north of San Francisco.

You can learn about everything from intensive gardening and horticulture to how to install a gray water irrigation system. Or you can take a barn-building class and participate in a barn raising.

Fees for the workshops vary from $35 to $500, including room and board. For details, write to the Farallones Institute Rural Center, 15290 Coleman Valley Rd., Occidental, Calif. 95465.

The center is also open for tours every Saturday from 1 to 5. There's a $1 charge per person for this first-hand look at the buildings and gardens.

Quick kitchen crop— fresh coriander from seed

Many fine recipes call for fresh coriander. (You can buy it as Chinese parsley or cilantro at the market.) If you like to cook with this flavorful herb, you may want to raise your own—it's easy to grow from seed, in the ground or in containers.

You'll find seed packets among the herb seeds available at your nursery, but you can also use coriander seed sold on grocery store spice racks. If space is limited in your garden, just sow seeds (indoors or out) in a shallow, broad pot in a standard potting soil.

Sunset's GARDEN GUIDE

STEVE W. MARLEY

Good for cooking. *Cilantro—fresh coriander—leaves are ready to snip when 4 to 6 inches high*

Plants germinate quickly; they come up in about two weeks, and in four to six weeks leaves should be ready to pick. Clip leaves as you need them for six weeks to two months; after that plants usually wear out or go to seed. Or, do as some cooks do: Sow successive batches every two to four weeks to keep a steady fresh supply on hand.

Three flowers for the shade— try these for a change

Shady spots often stump gardeners who'd like to plant flowers for summer color. If you want a sure-fire, no-fuss

Sunset's GARDEN GUIDE

filler, use impatiens. If you can offer a protected spot and rich, moist soil, look for these scarce but choice annuals to plant in borders, among lush foliage plants, or in hanging pots. Pinch back at planting time to make plants compact.

Browallia or amethyst flower. Mounding, 8 to 10-inch plant with blue, violet, or white flowers resembling large lobelia flowers. The kinds sold today are generally compact, self-branching types. Set plants 8 to 12 inches apart in the garden or fill a hanging basket with up to three.

Mimulus or monkey flower (*Mimulus tigrinus*). Grows to about 12 inches high. Two-inch yellow flowers splotched with maroon and brown resemble small spotted gloxinias. Space plants 12 to 18 inches apart.

Torenia or wishbone flower. An intriguing flower native to Vietnam. Take a close look at the bicolored blue flowers and you'll see where this flower gets its name: The stamens are joined in the shape of a wishbone.

Most seedlings sold are improved dwarf forms, about 8 inches high. Plant them 6 to 10 inches apart.

DAVID STUBBS

Like Sunset to see your garden?

This is the last call for this year's proud or pleased gardeners: If you'd like to have a *Sunset* garden editor visit and photograph your garden this year, for possible publication, enter our 12th Annual Garden Contest. We can promise you a certificate honoring your achievements and perhaps a prize as well. Write to 1978 Garden Contest, *Sunset Magazine*, Menlo Park, Calif. 94025. We'll send you an entry form and easy-to-follow rules.

This grevillea is a fragrant ground-hugger

Another kind of grevillea has joined the list of dependable drought-tolerant Australian plants available to Western gardeners. *Grevillea tridentifera* grows low and wide, like a prostrate juniper.

Sharp, three-pointed leaves give this species its name. In the spring, fragrant creamy-white flowers cover the light green foliage. Bees love the honey-scented blossoms, so don't plant this shrub where they can be a problem.

Grevillea tridentifera makes an excellent low-growing bank cover, especially for hot, dry slopes and other plant-it-and-leave-it low-water situations. It wants full sun and good drainage. Don't spoil it with a good, rich soil—it does best in soil that's light and gravelly.

Plants grow very rapidly to a width o 10 feet or more. The main branches sta low to the ground, but occasional ere branchlets grow 1 to 2 feet tall. (Th happens more if the soil is too rich t if the plants are getting a lot of water These upright shoots can be clipped o when young if you prefer the plant com pletely flat-topped.

Low creeping branches *and showy white blossoms distinguish Grevillea tridentifera. Prickly leaves will discourage foot traffic. Big shrub on left is Grevillea 'Canberra'*

About goggles for eye safety

The March issue of *Sunset* (page 24 showed how to make an efficient plant from a piece of volcanic rock. Subs quently, an ophthalmologist reminded that we overlooked a basic instructio You should always wear goggles safety glasses when chipping or grin ing any kind of rock. Volcanic rock relatively soft and spongy, but neve theless it is possible that a flying fra ment could damage an unshielded eye

New guide to the plants of the Japanese Tea Garden

Gardeners who enjoy visiting the Ja anese Tea Garden in San Francisc Golden Gate Park will be happy know there's a new publication to he them as they tour the garden.

With *The Japanese Tea Garden, Gold Gate Park* in hand, you should be ab to locate and identify all the tre shrubs, and perennials that may ha stumped you before.

Plant lists are keyed to a map of t garden. They include botanical nam common English and Japanese nam and brief plant descriptions.

Author Elizabeth McClintock also d cusses the history of the garden—Ca fornia's oldest public Japanese garden and its important architectural featur The book's graphic design by Vale Ferrer, and line drawings by Ru Asawa, make it especially attractive.

The book is published by the John M Laren Society. Copies are available f $3.50 at the Japanese Tea Garden, t information kiosk at Strybing Arbor tum, and the Academy of Scienc building—all near each other in Gold Gate Park.

To order copies by mail, send $4.00 Japanese Tea Garden Book, 1335 Uni St., Apt. 3, San Francisco 94109.

Which donkey tail?

You now have your choice of fo donkey tails for hanging baskets; he they are, in order of their introductio

Donkey tail (*Sedum morganianun* With a 1½-inch-wide tail, this one still the most common.

Giant donkey tail. The tail on this hybr between *Sedum treleasii* and *S. morga ianum* is about 2 inches wide. Individu leaves are much longer than tho

common donkey tail, and they're umper and stick out from the stem ore, giving it extra width.

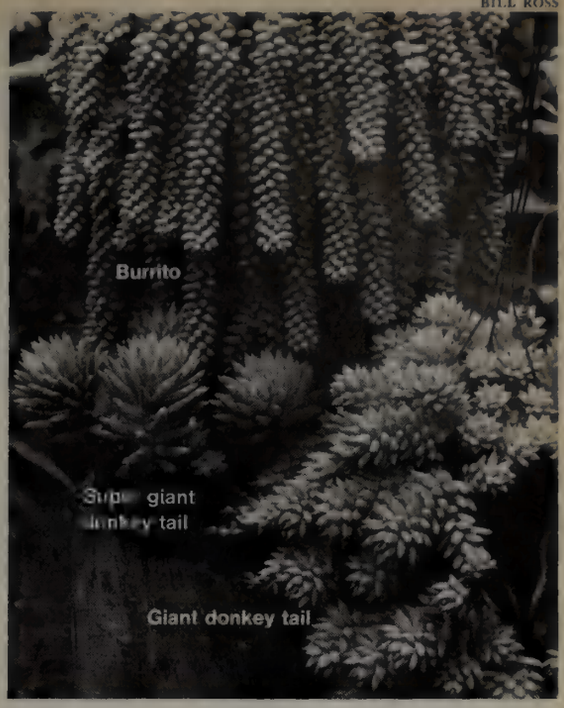
urrito (*S. burrito*). A newly named spe-es brought up from Mexico, this one s only an inch-wide tail and stubby aves that look like long beans.

per giant donkey tail (*Sedeveria* uper Giant Donkey Tail'). Hybridizer ck Wright crossed the common don-y tail and *Echeveria affinis* 'Black ince' with hopes of getting a regular nkey tail with the echeveria's reddish lor. Instead, he came up with this tra large green donkey tail.

lture for all these is the same. Give em half sun and a loose, porous pot-g mix. Protect from wind, water as ey dry out, and feed two or three nes during summer. Near the coast, u can keep them outdoors all year, t inland provide protection from frost.

ce all these grow into beautiful hang-; pendants, they're most commonly ed in baskets and wall pots. □

BILL ROSS



Three new sedums *at right are donkey tail relatives. They vary in size of leaves and length of dangle*

JUNE CHECK LIST: *Here is what most needs doing*

☐ **Fertilize.** Feed fast-growing, high-performance plants lightly and often, including summer annuals planted last month. Plants in pots and containers lose nutrients by leaching; you can feed them reduced concentrations of fertilizer with every watering for strong and continuous flower production. Also fertilize hybrid Bermuda and other warm-season grasses.

☐ **Plant dichondra.** This is a good month to plant dichondra lawns or reseed old ones. If established dichondra looks unattractive this month, it's probably setting its annual seed crop; it should grow vigorously again when new seedlings emerge.

☐ **Plant herbs.** You should find a good selection of herbs growing in pots at nurseries this month, or plant them from seed. Many aromatic herbs—marjoram, rosemary, sage, savory, thyme—develop good flavor in relatively poor, but well-drained soil. Give them full sun and hold off on fertilizer. Basil, chives, coriander, and parsley prefer a richer soil. See page 201 for more on coriander.

☐ **Plant summer flowers.** Summer flowering plants set out in the spring should begin to bloom in earnest this month. To extend flowering, pick off faded blooms.

You can still plant seedlings of fast-growing, heat-loving annuals now to replace spring flowers as they fade. Some good choices are ageratum, amaranthus, celosia, cosmos, Madagascar periwinkle, marigolds, petunias, portulaca, salvia, verbena, and zinnias.

☐ **Plant vegetables.** Set out seedlings of eggplant, peppers, and tomatoes now if you have not done so earlier. Plan to finish planting warm season crops.

Plant first crops of beans, beets, carrots, Swiss chard, corn, cucumbers, melons, pumpkins, and squash. Or, finish up successive sowings begun last month. In cool coastal climates you can grow the cole crops—cabbage, cauliflower, broccoli—all summer.

☐ **Prune, pinch, stake.** Pinch back tips of chrysanthemums, fuchsias, and marguerites to force full, bushy growth and good flower development. Don't spare newly planted annuals—tip-pinch before they grow tall and leggy.

Cut back spring-flowering perennials such as *Alyssum saxatile,* dianthus, foxglove, penstemon, and they may bloom again in late summer. Shear faded annuals such as lobelia and sweet alyssum; they'll be covered with flowers again soon. Stake dahlias, delphiniums, lilies, and gladiolus.

☐ **Tend fruit trees.** Thin fruit on apple trees if necessary. Apricots, cherries, figs, and late loquats may need protection from birds if you want a full crop for yourself. Plastic netting made for fruit trees may be the answer.

You can feed citrus this month with a high-nitrogen fertilizer. It's also the last month to prune or shape citrus shrubs or trees that are too big or floppy. Don't remove much lower growth; that's where most of the fruit will develop.

☐ **Treat powdery mildew.** Especially near the coast, you may notice signs of this fungus infection on your roses this month. It affects apple, begonia, crape myrtle, dahlia, and zinnia foliage as well. Thin inner branches of shrub roses to increase air circulation, and spray with karathane or another mildew-fighting fungicide.

☐ **Watering.** This is one of your main tasks this month. Make sure that the water you put onto your garden goes only where you want it to go. As you work the soil and set out new plants, grade soil surfaces so runoff is minimal or nonexistent. Rebuild water basins around roses, shrubs, and trees. Reapply mulches.

Use them fresh or dried or just sniff them . . . lemon-scented plants

Smell them, cook with them, carry sprigs in your pockets, or stuff them in drawers, closets, and under pillows—these are just some of the ways lemon-lovers use lemon-scented plants.

Here are nine you can grow, each with its own variation of lemon flavor and fragrance. Peel and juice of the lemon are strongest. Leaves of all but lemon thyme are tough; remove before serving unless used as a garnish. The herbs are available by mail from Taylor's Herb Gardens, Vista, Calif. 92083; a catalog costs 50 cents.

Lemon-scented geraniums. Leaves have a musky, lemon scent that often subtly pervades the garden on warm days. Use a fresh leaf or two in the bottom of the container to flavor poundcakes, jellies, fruit compotes, custards, or salad dressings. The scent of dried leaves is not as long-lived as that of verbena or lemongrass, but they make pleasant sachets alone or blended with other herbs.

Pelargonium crispum and 'Variegated Prince Rupert' are the most common lemon-scented geraniums; we also show 'Mabel Gray' and the more mildly scented *P. mellissimum*. A few other lemon-scented kinds are sometimes available from geranium specialists.

Lemon-scented geraniums usually grow 3 feet tall in the ground. In pots, you will need to pinch branch tips to keep them full and compact. They like full sun near the coast, partial shade inland. Keep soil on the dry side and protect plants from frosts.

Lemon verbena (*Aloysia triphylla*). Verbena leaves give off a rich, very sweet lemon perfume that lasts a long time after drying. They're most popular fresh in iced drinks or dried for tea or potpourri, but you can also use them to flavor foods.

This deciduous, frost-tender shrub will reach 6 feet in the ground. Give it full sun, good drainage, and moderate moisture. You can grow it outdoors near the coast as far north as Seattle if you plant against a warm wall. Prune back twiggy growth each spring before new growth begins.

Lemon balm's *clean, citrusy, faintly minty fragrance is refreshing on a hot day*

Lemon thyme. Its leaves are a delightful blend of lemon and thyme in flavor and fragrance. Strip the tiny leaves from the stems to use fresh or dried in green salads or on meat, fish, or poultry. Golden lemon thyme, or *Thymus citriodorus* 'Aureus,' has especially attractive yellow variegated foliage.

Plants grow about 8 inches tall and as wide; a row of them makes a pretty, fragrant edging along paths or borders. Lemon thyme is hardy, takes full sun, tolerates some dryness, and seldom needs feeding.

Lemon balm (*Melissa officinalis*). This plant's bouquet is a soothing blend of mild lemon and the fresh green odor of mint. Steep a handful of leaves for a mild, relaxing tea (to drink or add to bath water), or use them to garnish fruit or iced drinks. Balm is best fresh.

Treat this hardy perennial as you would any of its mint relatives: Give it full sun or partial shade, ample water, average garden soil. It will spread vigorously unless you confine its roots. Shear the leaves occasionally to keep it compact.

Lemongrass (*Cymbopogon citratus*). Its leaves have a strong, pure lemon fragrance and flavor. A few inches of fresh or dried leaf is often used to flavor soups, fish, or tea in Oriental cuisine.

This perennial grass is quite sensitive to frost and rather difficult to find. In frost-free Western gardens, given full sun, good drainage, and regular water, it spreads slowly to a foot across and 15 inches tall.

Lemon tree. Lemon leaves have a pleasant citrusy odor and give food a mild lemon flavor.

Where winter temperatures stay above 20°, you can grow this fruit outdoors. Elsewhere, grow them as indoor-outdoor potted plants.

To fruit, lemon trees need ample sun, food, and water, good drainage, and moderate temperatures. 'Eureka' is the preferred variety in most areas; 'Lisbon' is hardier and equal in quality. In open ground, both kinds can reach 15 feet in 10 years, even on dwarfing rootstocks. 'Meyer' lemons are less acid, thinner skinned, rounder, and slower growing. □

Nine lemony plants you can grow, *from four scented geraniums to a trailing thyme or a tree. Use their leaves in foods, or crush them to enjoy the fragrance. Plant in the ground or in big pots*

NORMAN A. PLATE

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STEVE W. MARLEY

Common thyme *(Thymus vulgaris) grows behind two tufts of thrift. Its small, gray-green, oval leaves are about ¼ inch long*

WILLIAM FAULKNER

Silver thyme *(T. serphyllum 'Argenteus') sweeps around rocks and dianthus. Leaves have a silvery border*

For borders, for pots, to cook with

Thyme serves two functions: It's both a popular cooking herb and an attractive, hardy ground cover. Growing fast and spreading low, usually 12 inches high or less, it doesn't need much space—even a pot will do.

Plant it as a carpet beneath large shrubs, as a filler between stones in a rock garden, as a low edging for flower, vegetable, or herb gardens, or in a container for kitchen use. Restrain plants needed by clipping back growing tip For seasoning foods, dry the aromat clippings or use them fresh. The kin shown are almost identical in flavor.

Thyme grows best in warm, light, we drained soil in full sun. Sow seeds or c flats of thyme into 1½-inch squares ar plant 6 to 12 inches apart. Keep so moist until plants are established.

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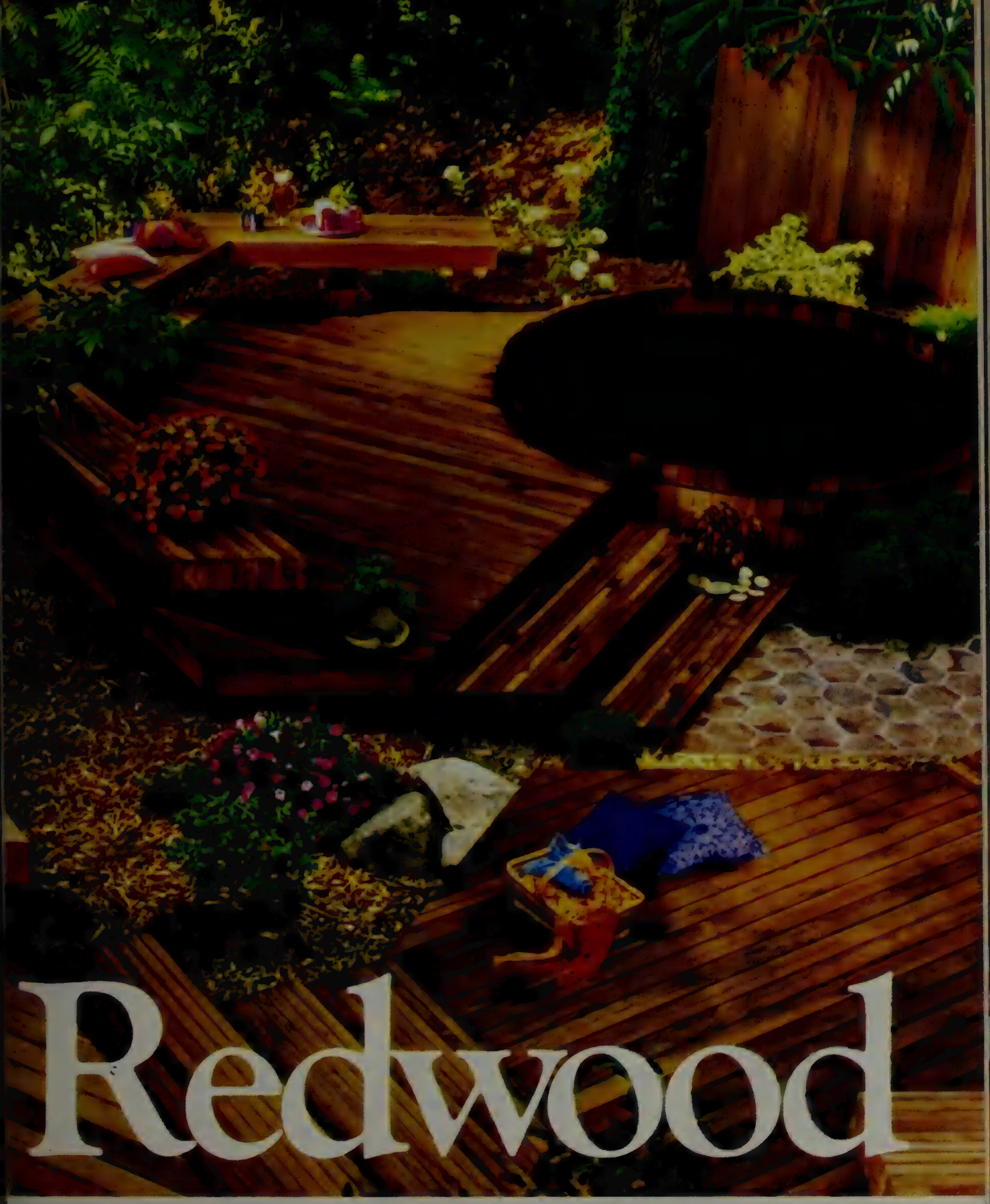

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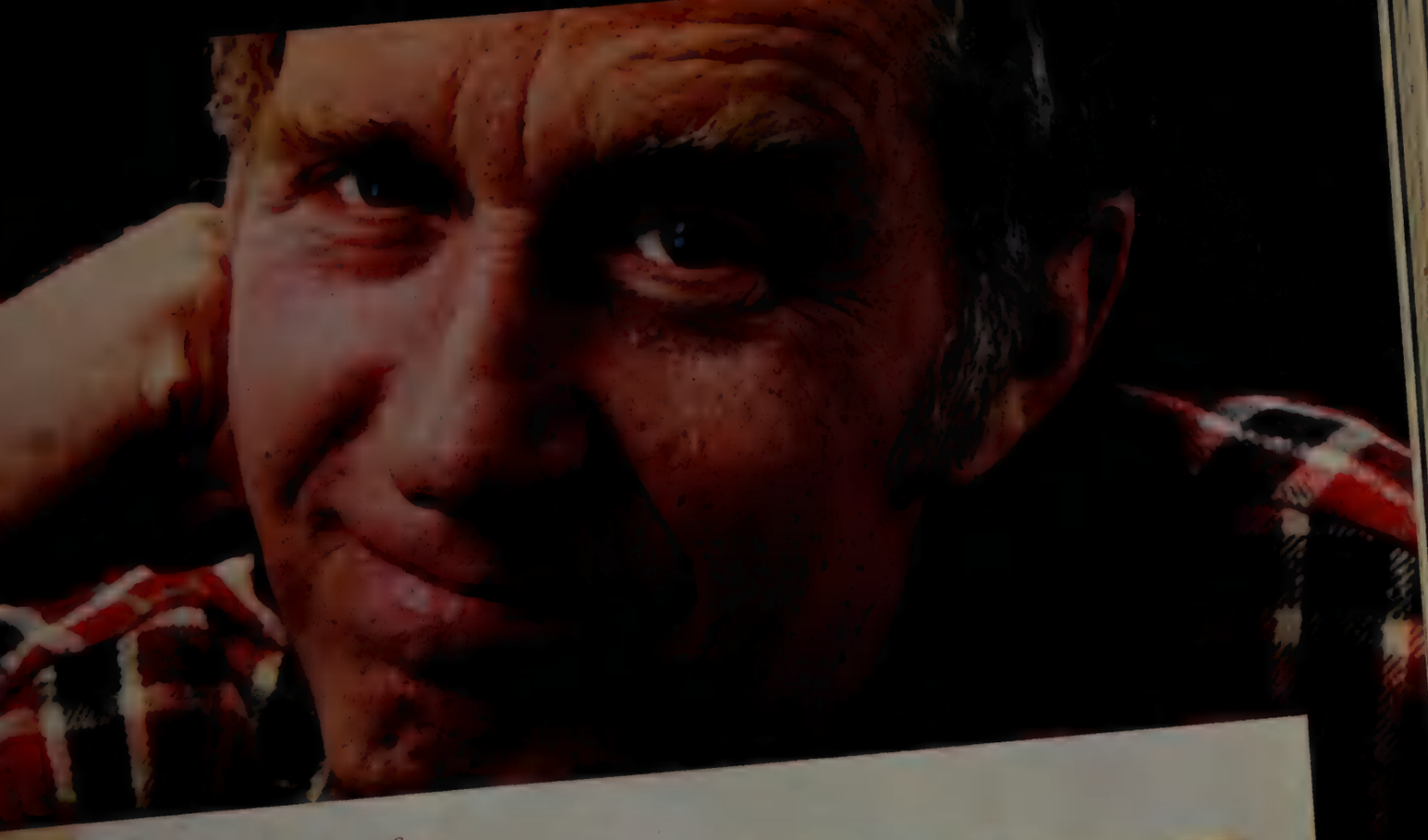

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- **Durability** — the product will perform as stated below and be in a suitable condition for repainting — 9 years.
- **Chalk Resistant** — will not chalk stain trim, brick or other surfaces below — 9 years.
- **Non-Yellowing** — will not turn yellow with age — 9 years.
- **Resists Blistering** — will not peel from properly prepared surfaces — 9 years.
- **Washable** — normal dirt deposits can be removed if washing instructions are followed — 7 years.
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HOW TO PREPARE FINISHED SURFACES • *Wood and Metal* — Correct and repair. Remove loose paint. Wash off dirt, dust, excessive chalk. Scrub overhangs, eaves with household cleaner in water to help prevent "tissue peeling." Rinse thoroughly, let dry. Lightly sand glossy surfaces.

HOW TO PREPARE UNFINISHED SURFACES • *Bare Wood and Metal* — prime with appropriate primer. On new construction, prime bare wood immediately. Before using caulk or putty, spot prime open nail holes, cracked seams. Paint directly on clean, bare galvanized metal.

HOW TO PREPARE MASONRY AND ASBESTOS SIDING: Surfaces must be cured, clean, firm and poured concrete weathered several years or sandblasted. Treat porous and sandblasted surfaces with appropriate surface conditioner. Remove loose paint, chalk. Remove thick layers of flaking paint with power wire brushing or sandblasting. Patch holes, cracks; caulk seams, joints. Treat repaired and porous masonry with surface conditioner. Previously painted surfaces in good repair do not require conditioner.

Paint directly firm, clean, nonchalky surfaces. Surfaces should be dry or damp (not wet) before applying finish.

HOW TO PAINT EFFECTIVELY: Stir paint well. Apply with quality painting tools such as GOLD LINE Roller or K mart nylon or polyester brush. Do not thin paint, except for spray application. When spraying, thin sparingly with water. DO NOT APPLY AT TEMPERATURES BELOW 50°F. THE PERFORMER DRIES BEST AT 65°F. OR HIGHER. Two coats are recommended over new surfaces. When recoating, allow at least two hours drying.

HOW TO CLEAN-UP: Clean up hands and equipment with soap and water.

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DARROW M.

Miniature tree *only 7 inches tall is Aeonium spathulatum. Minimal pinching is all it takes to shape it*

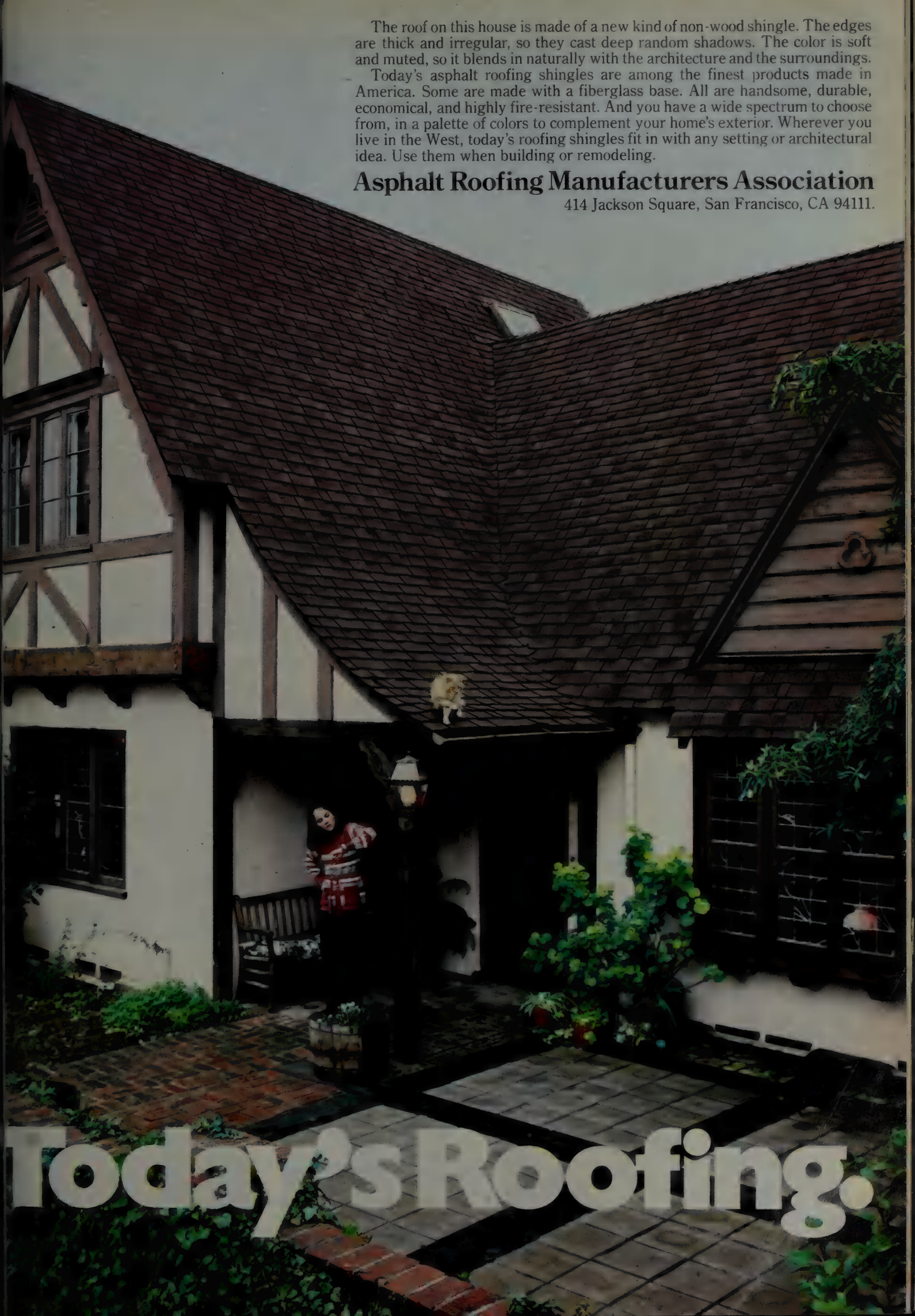
Instant bonsai . . . succulents in shallow pots

Some succulents have the weathe ancient look of miniature bonsai t naturally, with no root pruning, wiring, no years of training. Un more traditional bonsai, they are u manding even in shallow pots and suited for growing indoors.

Even in small bonsai pots, you can l many succulents untended for a wee two with little or no ill effects. Most partial shade during midday heat protection from wind if outdoors. bloom indoors or out, they'll nee least 2 to 3 hours of direct sun in morning or late afternoon. To enc age a tougher, more weathered l feed and water only as necessary to plants green and plump.

In mild-winter areas, you can grow kinds outdoors if you give them mini protection from frost and heavy r In colder climates, it's best to wi them indoors or in a greenhouse.

Plants suitable for bonsai pots are a


The roof on this house is made of a new kind of non-wood shingle. The edges are thick and irregular, so they cast deep random shadows. The color is soft and muted, so it blends in naturally with the architecture and the surroundings.
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able in a wide variety of sizes, shapes and colors from nurseries and mail order firms that specialize in cactus and succulents.

The five succulents shown here are:

Aeonium sedifolium, bottom left, is a 4 to 8-inch branching succulent with small, shiny leaves edged with red. Clusters of bright yellow flowers appear in spring. Don't let it dry out too much in summer.

Aeonium spathulatum will grow to about 14 inches in three years from the size shown on page 210. Stalks of small yellow flowers rise from rosettes in spring. Rosettes die back and branch after bloom; pinch to shape into tree form. Keep plants moist in summer.

Sedum multiceps, in the hand, often called the baby Joshua tree, grows only 4 to 6 inches wide. Pinch off some of the tiny rosettes of gray-green leaves to get more trailing growth. Keep the plant cool and partially shaded in summer to minimize the straggliness of summer dormancy. Tiny star-shaped yellow flowers may appear in winter.

Trichodiadema bulbosum, below, and *T. densum,* center bottom, are almost identical. Both grow to about 4 inches tall, with dense tufts of bristly leaves on irregular stems. Even on young plants, knobby tubers form under the soil. You can expose these tubers without harm; just replant so that the hairlike feeder roots at the ends of the tubers are under the soil. Clip back the leafy tops occasionally to keep them compact. Rose-colored flowers similar to those of small iceplant bloom in spring.

NORMAN A. PLA

Compact, knobby *growth and drought tolerance suit many succulents for display in bonsai pots, indoors or out. Sometimes—as above—exposing tuberous roots helps the effect*

BILL R

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* ASHRAE HANDBOOK p. 362-363

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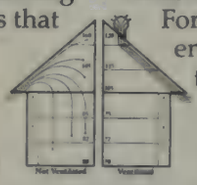

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Huge planters, *one with tree, added instant greenery to driveway; lath above wall screens patio on other side*

Big boxes are partly a screen

Two purposes are served by the planter boxes and the lath fenc shown above: They embellish a pl stucco wall and help to screen a b patio from the driveway.

The boxes are made of rough redwo 2 by 10's screwed together. Each sid about 3 feet square. All are filled wit loose potting mixture. The center b holding an *Acacia baileyana,* has no b tom; it rests on an opening cut into paving, allowing the tree to grow fr 5-gallon-can size to 30 feet in six ye

The other two boxes, only half as d inside as they appear, hold daylilies other flowering perennials. The plant are watered about twice a week in weather and fertilized once or twic year now that the plants are sizable.

Redwood 1 by 2's spaced about 2 inc apart screen the gap between the and the tree canopy. Before assem the 1 by 2's and the redwood 2 by supporting them were stained to ma the house. Designer was Chris Rosn of Los Angeles.

Wall extension *consists of redwood 1 by nailed to 2 by 4's bolted to the stucco wa*

all-a-Way, 3 way recliner, wheat, **$279**

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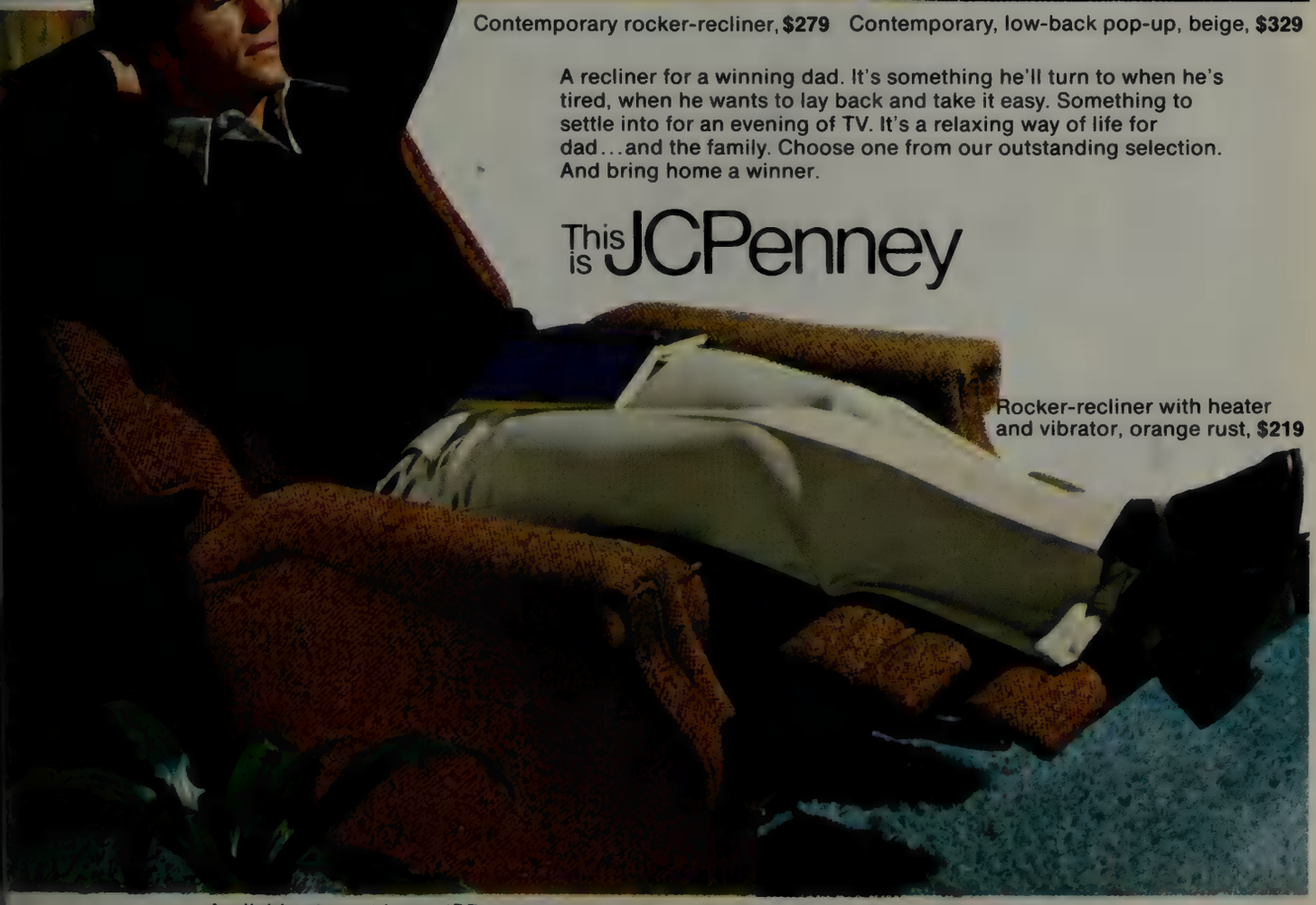

Rocker-recliner with heater and vibrator, orange rust, **$219**

Available at most large JCPenney stores. Prices slightly higher in Hawaii and Alaska.

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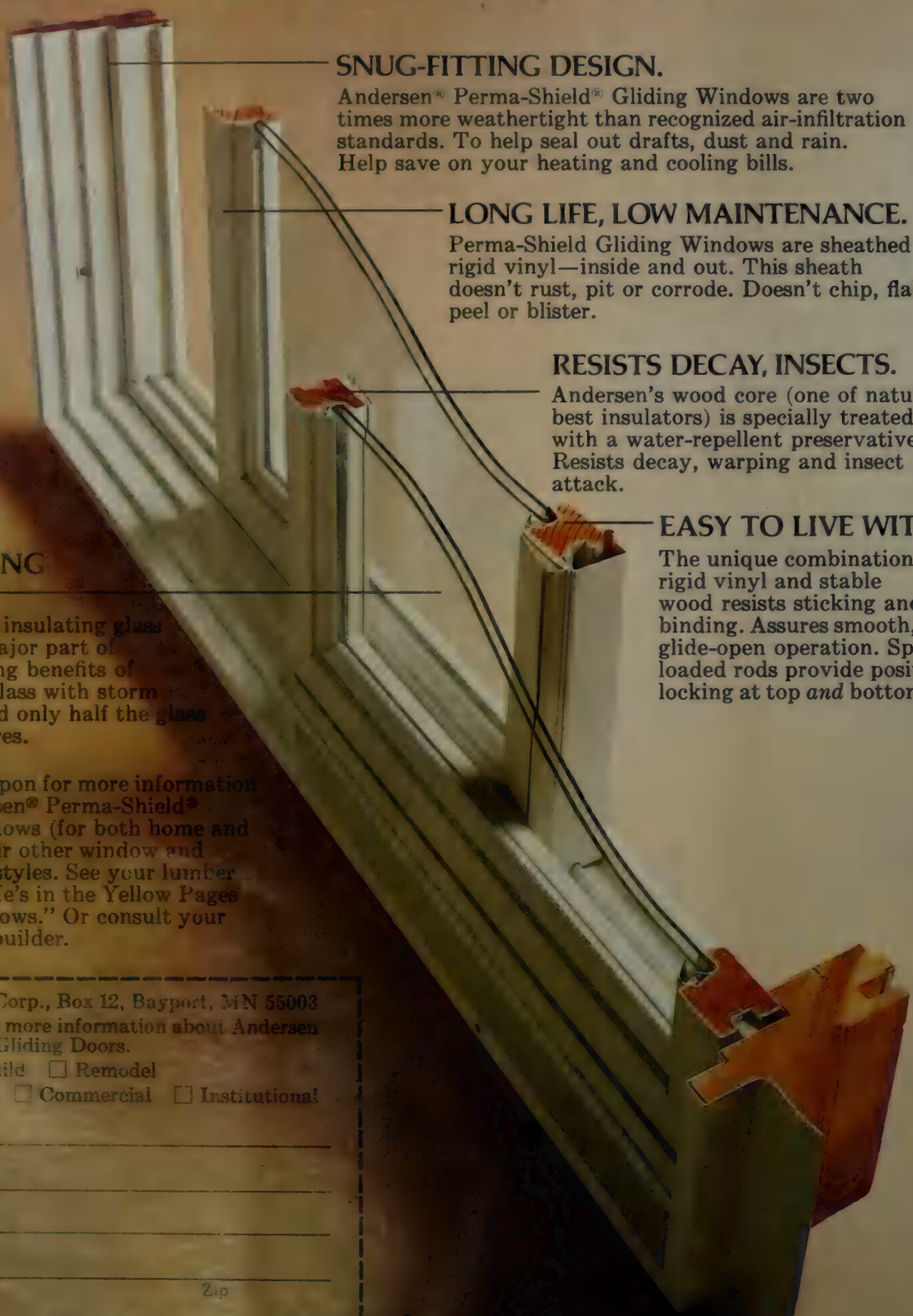
THE END OF WINDOW PAINS.



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Andersen Corp., Bayport, Minn. 1978.

Cypress trees can get a fatal fungus . . . now's time to remedy it

trees growing inland from the coast are susceptible a fungus disease that's often fatal. Called cypress canker, especially harmful to Italian cypress (*Cupressus sempervens*) and Monterey cypress (*C. macrocarpa*).

ce the fungus spreads during wet winter months, the dry son is the time to try to control it.

e first visible sign of disease is amber sap oozing from bark vices. As infestation spreads, splits in the bark lengthen m 1 to 6 inches) and entire sections of foliage turn yellow, den, and die.

control the fungus, remove all diseased and dead branches, king cuts 6 inches into healthy wood. Disinfect your saw hears between each cut with 70 percent isopropyl alcohol.

er you've removed all the diseased wood, spray what ains of the tree with Bordeaux solution or another copper gicide. Immediately bury or burn pruned wood, or take it he dump.

protect healthy cypress trees growing near infected ones, ay thoroughly with a copper fungicide in early fall before s begin. □

STEVE W. MARLEY

Early sign *of cypress canker fungus is amber sap oozing from split bark. Upper part of the Monterey cypress pictured above has been killed by the disease*

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DAVID STU

Green strands *of Ceropegia woodii trail from pots above window, beaded with silver-marbled leaves and bumpy tubers. Each tuber can start a new plant*

Her stringy vines make a curtain

Like beaded curtains, thread-thin vin of *Ceropegia woodii* trail to about 5 fe alternating pairs of flat, ½-inch leav and greenish brown tubers in irregul sequence. The leaf shape gives the pla its common name, string of hearts.

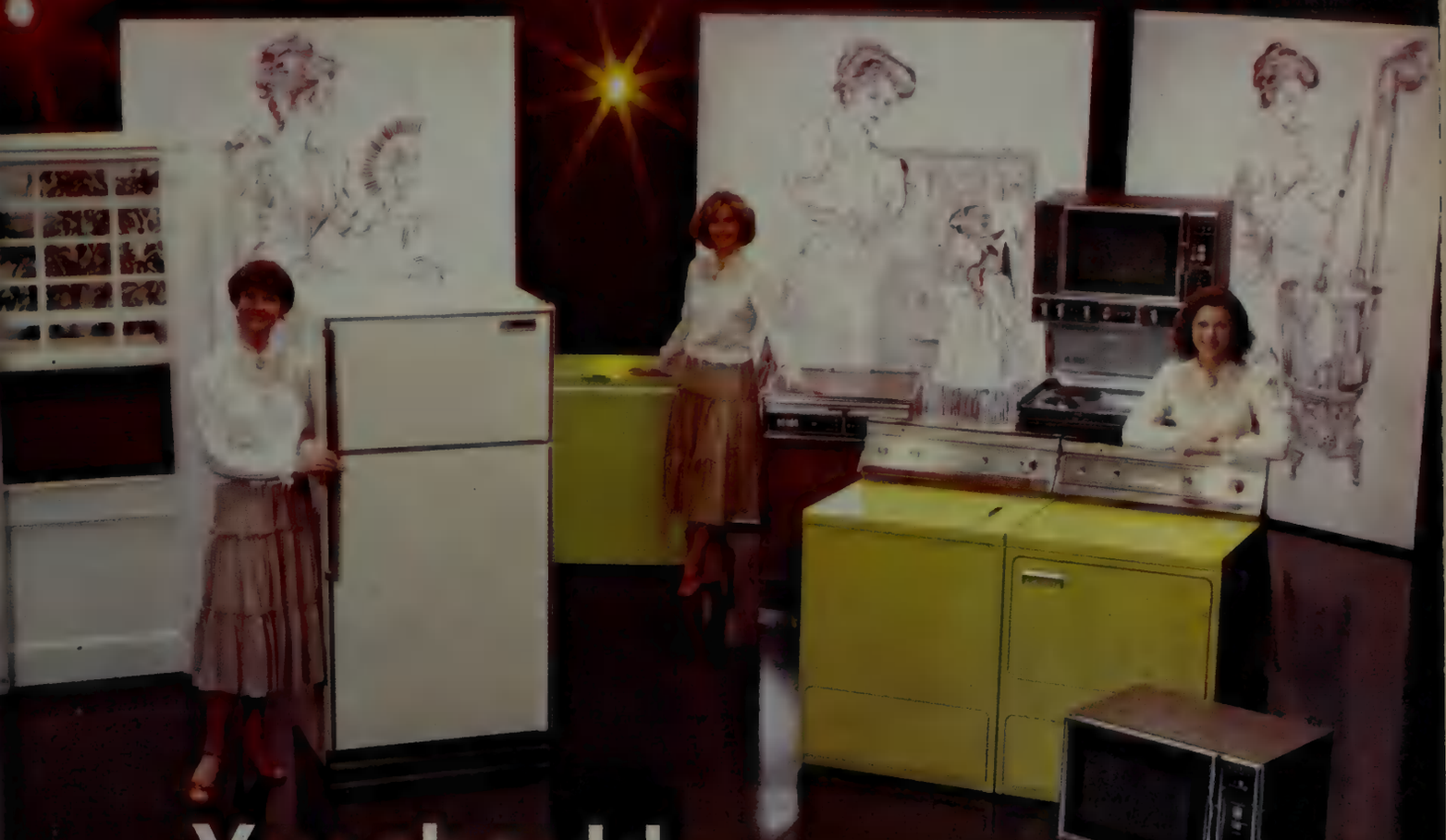
No matter how densely you crowd stri of hearts or pinch its stems, you'll nev get more than a drizzle of greenery. I stead, capitalize on its delicate form, Susan McDonald of San Francisco di She divided and propagated sever denser plants to get the effect shown.

Once you have a plant, starting ne ones is easy. Just press a tuber halfw into moist potting soil, then give it litt or no water until roots form. Later y can let stems trail or twine up a trell they do best in bright, indirect light.

Small summer flowers are slender, inc long pink tubes with black lobes join over the mouth, like the frame of old-fashioned gas lantern.

SUNS

Gibson



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This is JCPenney

Airy structure *fits neatly into L shape of house, has its own concrete walk. Plants hang on extended rafters (below)*

Inside, it's home *for a collection of staghorn ferns, other ferns, and bonsai. Chinese elm sits on top of highest of three hollow 1-by-12 stands*

BILL ROSS

Complex lathhouse uses just four lumber sizes

Forest of bonsai liquidambar *(left) sits on its own shelf made of 2 by 2's topped with 1 by 12's. Staghorn fern (below) hangs on wall. He's feeding it a banana peel, which as it rots will supply nutrients that the plant can use*

This supersize lathhouse provides more than shade. It's an exciting place to be in and it looks good from the house that wraps around two sides of it. While it's a complicated structure to build, the fancy mitering does make possible the lofty pitched roof and the bay-window-like end.

Its size (20 by 25 feet long, 13 feet tall) plus gaps between the lath keep the shelter from feeling dark and confining, yet it provides the plants with about 65 percent shade.

The lathed walls also protect the staghorn ferns and bonsai from winds. (Most staghorn ferns aren't hardy outside of coastal Southern California.)

Mike and Linda Atkins of Fountain Valley, California, built the shelter themselves using only four sizes of lumber: Major beams, posts, and rafters are redwood 4 by 6's; spreaders between rafters and railings around the perimeter are 2 by 6's; and the rest is lath nailed to redwood 2 by 2's. □

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Shows, sales, classes... roses, bonsai, African violets

NORTHERN CALIFORNIA

San Mateo. June 10 and 11. Suburban African Violet Friends show, sale of started plants and leaves, and cultural exhibits and demonstrations. Place: San Mateo Garden Center, 605 Parkside Way (in Beresford Park, just west of Alameda de las Pulgas). Hours: 2 to 6 Saturday; 10 to 4:30 Sunday. Free.

Vacaville. June 10 and 11. Vaca Valley Bonsai Club show. Place: Vacaville Community Center, 1100 Alamo Rd. Hours: noon to 6 Saturday; noon to 5 Sunday. Free.

Cupertino. June 11. Annual Midori Bonsai Club exhibit. Place: Vallco Fashion Park, Stevens Creek Blvd. and Wolfe Rd. Hours: noon to 5. Free.

San Bruno. June 17. Plant sale by the San Bruno chapter, American Fuchsia Society. Place: Tanforan Park Shopping Center, lower mall. Hours: 9:30 to 4:30.

Greenbrae. June 24 and 25. Marin Rose Society show and miniature rose sale. Place: Ross Valley Medical Clinic, 1350 S. Eliseo Dr. Hours: 1 to 4 Saturday; 10 to 4 Sunday. Free.

Hayward and Livermore. June 26. First session of summer horticultural classes at the Hayward and Valley (Livermore) campuses of Chabot College. For information and registration, write to the Admissions and Records office, 25555 Hesperian Blvd., Hayward 94545, or telephone (415) 782-3000.

Palo Alto and San Jose. Two courses sponsored by the University of California Extension, Santa Cruz. In Palo Alto, *Intensive Vegetable Gardening* on July 8, 15, and 22. Place: Ecology Action Research Garden, 2225 El Camino Real. Hours: 9 to noon. Fee: $45. Limited enrollment. In San Jose, *Making Fruit Wine* on June 28 through August 2 (six Wednesdays). Place: Sacred He School, 310 Edwards Ave. Hours: 7 9 P.M. Fee: $55. For further inform tion and registration, telephone (4 429-2351.

COLORADO

Denver. June program at Denver B tanic Gardens, 1005 York St. Classes preparing leaves for flower arran ments and pottery and plants for c dren; plant identification field tri basic orchid culture. For further inf mation and reservations, telephone (3 575-2547.

Denver. June 17 and 18. Show p sented by the Denver Bonsai Cl Place: Denver Botanic Gardens. Hou 10 to 4 both days. Free.

UTAH

Logan. June 10. Show by the U Fancy Feathers Association. Pla Cache County Fairgrounds. Hours: 9 4. Free. For entry data and premi list, write to Lynn Warr, 3220 So 3600 West, Salt Lake City 84119.

Salt Lake City. June 11. Utah Rose ciety show. Place: Utah Garden Cl Activity Center, Sugar House Pa 1602 East 2100 South. Hours: 10 to Admission: free.

A button-by-button Norelco guide to buying the microwave oven that's right on the button.

PROBE

Probe. Using this button, you can cook by temperature. Simply insert the Temperature Probe into the food, tell the computer what temperature you want, and the oven will shut off automatically when it reaches that temperature.

DEFROST

Defrost. Tell the oven to automatically defrost before cooking and it will. This button will let you relax when unexpected guests arrive for dinner, and it can also be used as one of our four cooking cycles.

REHEAT

Reheat. A great idea! A cycle for those quick, everyday reheat jobs and a button that can also add up to 30 minutes of additional cooking time as one of our four cooking cycles.

COOK 1

Cook 1. The basic cooking cycle. Press it and you can cook food at whatever microwave power level you want, from 10% to 100%.

COOK 2

Cook 2. This is a second cooking cycle for use when food requires one level of microwave power to start with, and a second level of power the rest of the time. The 7500 automatically switches from Cook 1 to Cook 2.

DONE TIME

Done Time. Just tell the computer what time you want your food ready, before you leave home. The oven will then defrost, cook and stop automatically.

1–9

Selector. Here are the buttons you use to select whichever one of the ten variable power levels is required for your different cooking needs.

TIMER

Timer. This button controls an independent 30-minute kitchen timer which may be used anytime even during the microwave cooking cycle.

CLOCK

Clock. This button sets the LED digital clock which also shows you the time of day, the cooking time or the temperature your meal is programmed for.

Plus an optional Cook Shelf that lets you cook different courses of a meal at the same time.

So if you're in the market for a microwave oven, take this guide with you. It'll help you prove that only Norelco has all the features that are right on the button for new and exciting cooking convenience.

The Norelco Dual Mode System 7500 Microwave Oven. It puts your finger on cooking features no other microwave can touch.

For the name of the nearest dealer, write Norelco, 100 East 42nd St., New York, N.Y. 10017 *Norelco*® ©1978 NAPC

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45 to 49	6,997	9,790
50 to 54	6,997	9,899
55 to 59	4,849	9,507
60 to 64	3,943	9,451

*Values represent 5% annual increase above 1972 figures of Social Security Administration. Study includes only dishwasher, clothing maintenance specialist, homemaker aide, cook, presser, handyman, accounting clerk, child-care woman, cleaning woman; does not include work of nurse, chauffeur, tutor or psychological contributions, among other tasks.

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June is the flat-out mountain gardening month. So much to do. Here are ideas, choices

Sunset's MOUNTAIN GARDEN GUIDE

June is that paradoxical month when days are longest, yet seemingly not long enough for all the work that needs to be done in the garden. The intensity of high-altitude June sunshine makes up for the slow warming of spring; you can expect vigorous growth in vegetable and flower gardens. Seeds push up rapidly now through warming soil, and root growth is very fast when plants are watered adequately.

Beating the short season

Since your vegetable garden can produce for only a few months each year there's no time for dawdling; see that it produces abundantly by choosing early-yielding crops and planting a successive crop in late June.

Here are some good early-yielding varieties for mountain gardeners: pole bean, 'Kentucky Wonder'; bush beans, 'Tender Crop' and 'Top Crop'; beet, 'Detroit Red'; broccoli, 'Green Comet'; cabbage, 'Copenhagen Market'; carrot, 'Royal Chantenay'; cauliflower, 'Snow King'; kale, 'Vate's Dwarf'; lettuce, 'Butter King'; pea (edible-pod), 'Dwarf Grey Sugar'; spinach, 'Melody'; acorn squash, 'Table King'; butternut squash, 'Waltham'; yellow summer squash, 'Butterbar'; zucchini squash, 'Ambassador'; turnip, 'Tokyo Cross.'

Water is the key

One of the peculiarities of mountain climates is that they are driest in early summer—the time when plants most need water. Plant metabolism is at a peak during this warm season, and depriving plants of water now produces stress from which they may never completely recover. This is particularly true of vegetable and flower seedlings with limited root systems, so water as efficiently as possible.

Mulching is usually necessary during this time of hot, dry winds. In perennial flower gardens and around shrubs, use pine needles, dry weed-free grass clippings, ground bark, bark chips, or shredded leaves.

Hay, straw, and black plastic are good mulches for vegetables. A high-nitrogen hay such as alfalfa is worth its extra cost since it enriches the soil each year as it decays. Research has also shown that alfalfa contains a growth-regulating substance that increases vegetable yields.

Don't waste water. If you use sprinklers, don't let their water get blown about by the wind; sprinkle lawns in the evening, when the air is still. Try drip irrigation for row crops. And use a deep-root feeder to water shrubs and trees.

Quick, safe way to seedlings

One of the inconveniences of gro vegetables from seed is the time must spend with the hose to keep seedbed constantly moist. Allen Pa of Santa Fe found a way around he covers rows of seed with newsp (shown below).

After the seeds are sown and co with soil, Mr. Parrott covers the with a pre-soaked, 4-sheet-thick lay newspaper. He then soaks the papers again with a good sprinl After a few days he checks unde papers for any quick-germinating s Regular checks are necessary from on to make sure no sprouted seed are stunted. Mr. Parrott remove paper where seedlings are poppin leaving other sections on the soil to ungerminated areas moist.

A remarkable discovery from method was the speed with which

Bricks hold down *5-inch-wide folded lengths of moist newspaper in Santa Fe seedbed*

DON NO

ds came up. Radishes, which usually e 7 days to germinate, sprouted in y 4 days under wet newspapers.

and those ering white butterflies

ll white butterflies hovering above bage-family crops are probably lay- eggs—eggs that may hatch into de- ctive cabbage worms. The worms eat es in leaves of all members of the bage family, including broccoli, ssels sprouts, cabbage, kale, kohl- , rutabaga, and turnip.

efficient way to control the problem use BT (short for *Bacillus thuringi- s*), a microbial pesticide. BT attacks the harmful caterpillars (and other erfly and moth larvae) without kill- other living things.

caterpillars may not seem to be ered by the spray at first. Although take longer to die than if they had sprayed with a toxic chemical icide, they immediately quit eating, ou get the same result.

'll find BT sold under several brand es; it's recommended for other gar- caterpillar problems too.

den blues

blue is not a common color in ers, but there are some good blue ers that adapt easily to high-country ens. Perennial campanulas are fool- f, from the little rock-garden kinds as *C. carpatica* to the taller *C. icifolia* and *C. glomerata* (see page in last month's *Sunset*).

Your chances are also good with biennial campanulas (Canterbury bells), which often reseed themselves, cup-flowered *Platycodon grandiflorus*, delphiniums, *Brunnera macrophylla, Catanche caerulea, Linum perenne*, blue irises, drought-proof *Echinops*, and the well-known Colorado columbine (*Aquilegia caerulea*).

Annuals—good for patio pots

If your garden is too cool and shady to grow warmth-loving annuals, try them in pots or tubs on a heat-retaining patio or other paved area. Soil in pots is warmer than the ground to begin with, and the paving or wooden surfaces that absorb heat radiate it back to plants at night for added warmth.

Use pots 10 inches or larger in diameter so they won't need watering more than once daily. Fill them with a mixture of equal parts garden soil, coarse sand, and peat moss. Make sure you do this after you set the pots in place—they'll be pretty heavy when full.

For the most impressive show, crowd flower seedlings in the pots—at least three plants to a 10-inch pot.

Many vegetables also do better in pots, but they need plenty of root room. Some possibilities are tomatoes, sweet peppers, eggplant, and heat-loving herbs such as rosemary and basil.

Toward better tomatoes

Once you've selected the right tomato variety and planted it (see page 264 in last month's *Sunset*), you still need a few tricks to get the plants through our not-so-tomato-loving mountain growing season.

Black plastic, *wire supports, straw help tomatoes ripen in mountain gardens*

The photograph above illustrates two popular practices that can bring success: mulching with black plastic and staking with wire towers. The plastic helps retain moisture, keeps down weeds, and permits the soil to build up heat. Towers keep the plants off the ground, allowing better air circulation and more light to ripen the fruits. They also enable you to grow more plants in a given space.

The straw mulch around the black plastic retards weeds that take away valuable soil moisture. At the end of the season, remove the mulch to the compost pile or dig it into the soil. □

MOUNTAIN GARDEN CHECK LIST: *Here are the important jobs*

☐ **Mulch vegetables.** Mulch pays its way in the vegetable plot as a water-saver and weed-defeater. (Only green beans, which like sun-baked soil, will do better without mulch.) Use organic material as a mulch for most crops, black plastic for tomatoes (see above) and squash. Newspapers are all right for the summer, but you'll have to remove them at summer's end because they don't decay fast enough in arid climates to be plowed into the soil.

☐ **Prune dwarf pines.** "Candles" of new growth appear on mugho pines this month. To keep these plants compact over the years, prune half of each candle every June. This will force new growth to develop just below the tip shoot for a denser bush.

☐ **Spray for pests.** Forceful hosing off with water is usually enough to eliminate aphids and spider mites that tend to appear on plants this month. If the critters persist, use 1 percent rotenone dust or pyrethrum spray (both relatively safe insecticides). Thrips, which attack roses, are difficult to eradicate because they hide inside flowers. It helps to pick off infested flowers before more buds open. Dispose of them far from the garden.

☐ **Stake tall plants.** Don't wait for summer thunderstorms and high winds to break off delphinium stems, bow down peony flowers, or drag bean and pea vines to the mud before you think of staking. Stake these vulnerable plants as inconspicuously yet firmly as possible. Supports should go 10 to 12 inches into the ground to resist the weight of a rain-soaked plant.

☐ **Treat iron chlorosis.** Alkaline soils lock up iron compounds, making them unavailable to plants, and frequent irrigation leaches vital nutrients from the soil. This combination produces iron deficiency in plants (yellowing foliage is the most obvious symptom). Treat with iron-rich plant food, iron chelates, or liquid iron every other week.

Wise-looking *mammoth jenny is as big as a horse; her ears are over a foot long, her halter adapted from horse tack*

She's riding *a standard-size donkey; he's a typical brown color with white muzzle*

STEVE W. MARLEY

COUNTRY LIVING IN THE WEST

If you've ever dreamed of owning a donkey (you probably never have), here's what you need to know

Miniature *donkeys are almost dog-like in size and temperament. This charmer is full-grown, 2½ feet high at the shoulder*

Pony cart *can be pulled at a smart clip by a standard-size donkey. This jack is an unusual pinto color*

nkey's bray may not be your idea eet music, but many people in the think it sounds just fine. Most of donkey-owning families we talked agree that the long-eared creatures ntelligent, friendly, and fun to have d. And they're useful—for pulling carrying riders, packing supplies ountain hikes, and even pulling or other small farming equipment.

y wild donkeys have been getting of attention in California's des- eas, where roundups have netted reds. You can adopt them free two government agencies.

known as burros or asses, donkeys in black, white, chestnut, and colors, besides the usual gray or . Most have a contrasting cross on ck and shoulders and white markings on the "points" (belly, chest, insides of legs, around the muzzle and eyes).

They come in three sizes

Miniature or Sicilian donkeys stand no more than 36 inches at the shoulder, some less than 30 inches. Their size makes them handy for packing through very rough country. Cutest of the donkeys, they make great pets and are happy to follow you around and help with chores. They can't be house-trained, but like to come inside to visit.

Standard donkeys (36 to 56 inches at the shoulder) are the most common and least expensive size, also the most intelligent and useful. A standard donkey only 47 or 48 inches high at the shoulder can carry an adult rider.

Mammoth donkeys are as big as horses (56 inches and above at the shoulder). They are used primarily for breeding draft mules; few people keep them.

Male donkeys are called jacks; females, jennets or jennies. Geldings (castrated males) are the most even-tempered and playful donkeys. Don't buy a jack unless you are experienced with donkeys or horses. Even the gentlest, best-trained jack may be subject to irrational acting-up and can be dangerous.

Easy care

Donkeys are tough, and don't need much care. ("Five times easier to take care of than a horse," says one owner.) They need twice-daily feeding and watering, periodic hoof and health care, and regular cleanup and grooming. And they need shelter and an outdoor running area. A 60 by 90-foot sturdily fenced corral is adequate for a standard donkey; 30 by 60 will do for a miniature. Depending on your climate, the shelter can be a shed or stable, usually left open so the donkey can go in and out at will.

Donkeys like sun, warmth, and dryness, and they love to roll. If your corral gets muddy, dump a load of sand in one corner to help keep your pet cleaner when he rolls.

Donkeys normally thrive on good pasture or grass hay alone, eating about 55 percent of their weight in hay a month when pasture is not available. In colder climates, they may need more feed in the winter. And they love treats: Carrots, apples, bread crusts, and toast are special favorites. Don't make it a practice to feed treats out of hand—it results in nipping.

Though generally healthier than horses, donkeys are subject to the same diseases and parasites. They need annual shots for encephalomyelitis (sleeping sickness) and tetanus, and whatever else horses in your area get. They should also be wormed at least twice a year.

Before you get a donkey, check local regulations, such as minimum lot size. In most areas, donkeys come under the same restrictions as horses and ponies—all are equines.

Cautious—not stubborn!

Donkeys have the reputation of being willfully stubborn, but donkey-lovers see it otherwise—as caution. One owner we talked with termed the animal's reticence "passive wisdom." The donkey who won't budge is usually afraid or unsure, or doesn't trust his handler.

Horses are plains animals with an instinct to run away from danger, but donkeys prefer to hide. They evolved in the deserts of North Africa, and because they're dun-colored like the desert and almost odorless, they can escape detection by just standing still. A balking donkey is acting on instinct; clobbering him

STEVE W. MARLEY

Grooming *is a good way to make friends with your donkey. This scruffy gelding will enjoy getting cleaned up*

won't help one bit.

As frustrating as this wait-and-see attitude can be, it actually makes donkeys easier to work with than horses, which tend to shy, run away, or panic if caught in a fence.

Most donkeys get along well with people and other animals, except for strange dogs, which they sometimes attack. Even seldom-handled donkeys are usually safe around children—much safer than ponies.

How to handle a donkey

Donkeys are agreeable by nature, but can become unpleasant when mishandled. The secret of success is the right balance of firmness and patience—with the emphasis on patience! Most aspects of training a donkey to rein, carry a load, and drive are just like training a horse.

A young donkey should be handled and halter-led as soon as possible and introduced to carrying light loads. Once full grown (three years), a sturdy miniature donkey can carry a saddle and rider weighing up to 100 pounds, a 500-pound standard can carry a rider and saddle up to 180 pounds or a dead weight of 70 to 100 pounds.

Packing with a donkey can be a delight or a disaster, depending on your relationship with the animal. The donkey's ambling pace, which can be frustrating if you're riding, is just right for long-distance walking. Haul your donkey to the trail in a truck or trailer (preferably a horse or pony trailer). In national forests, check in with the ranger before setting out. If forage is not available, you will need to pack in about 7 pounds of rolled barley per animal per day. Feed oats in hot weather.

Buying or adopting your own

It's best to buy donkeys from an established breeder. (Write to the American Donkey and Mule Society, Box 68167, Indianapolis, Ind. 46268 for dealer addresses.) The worst place to get a donkey is at an auction sale. You might get a $25 bargain, but more likely an unfit, mistreated, or ill-tempered animal.

A good miniature donkey costs $300 or $400; a standard, around $100; a mammoth, $500 to $1000. Maintenance costs will far exceed initial layout, so cut-rate donkeys are not wise buys.

You can adopt a wild burro, rounded to reduce overpopulation. These scendants of prospectors' pack bu are free. You must, however, pay shipping from the pick-up point transport them yourself.

Bureau of Land Management bu come mostly from the desert east of Sierra, with the main pick-up at Bis California. Write or call any B.L state or district office for a request fo These burros remain in federal ow ship. You can't sell them, but you give them away if you notify the B.L

Burros from Death Valley Natio Monument are also available in Cali nia. They remain property of the s for three years, during which time can give them away, but not sell th After three years, they're yours. To quest a permit for these burros, w to the California Department of F and Agriculture, 1220 N St., Sa mento 95814. When the permit granted, you can pick up your burr burros in Death Valley.

Equipping a donkey

Fitting out a donkey may be a bit challenge—no one manufactures key tack. You have to make do horse or pony saddles, bridles, bits, ters, and harnesses—perhaps punc an extra buckle hole here and there

To hold a saddle in place, a don usually needs a britching strap aro the rump and sometimes a cru under the tail and/or a breast s around the front.

A donkey can pull any cart a pony The simple, lightweight model show the preceding page costs about $225 can be ordered through most saddle tack shops.

To sum up, though donkeys may the glamor, beauty, and popularity horses, they do have some real plu They are less expensive to buy and k resist disease better, have fewer foot leg problems, are less subject to ser digestive troubles, and they're safer children.

A donkey's bray *is an indescribable sou Because the day's first bray comes at sunrise, your neighbors may come up w some indescribable sounds of their own*

Their wait-and-see attitude can be frustrating . . . but donkeys are easy to work with

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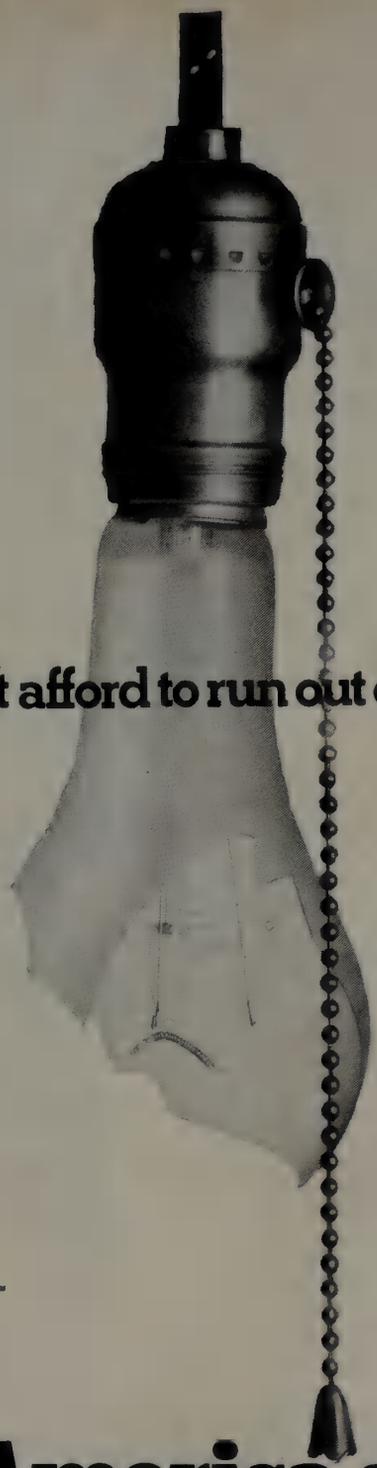

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People passing by *the Monterey streetside garden of Mr. and Mrs. Will Shaw see this bold 'Latifolius' acanthus. When pl are cut back in late fall, fence provides textural interest. Brick and cobble paving was designed by sculptor Gordon Ne*

STEVE W. MARLEY

Border *in front of the Francis Palms' home in Monterey is 26-year-old, 4-foot-high planting of 'Latifolius.' Roots are confined by headers, paving. Waxleaf privet in rear*

From ancient Greece to Monterey, California... stylish acanthus

Acanthus leaves *inspired the capital of this Corinthian column from ancient Greece*

Few plants have a longer and more distinguished history than the big, bold perennial pictured here in two gardens in Monterey, California. More than 2,500 years ago, the leaf of its southern European ancestor—*Acanthus mollis*—began inspiring architects, artists, sculptors, and craftsmen. Probably the best-known example is the stylized acanthus motif on the capital of ancient Greek Corinthian columns. The leaf has been used in ornamental design ever since.

It's fascinating to look at plants through the eyes of artists and craftsmen, but if you plan to use acanthus in your garden, you should learn how and where to grow it from experienced gardeners or landscape architects. Here are a few tips.

Choose plants carefully. *A. mollis* grown from seed vary in leaf shape and plant vigor. Better choices are varieties grown vegetatively from selected plants—they're uniform in growth, more vigorous, and bear more attractive leaves. Two such varieties now available are 'Latifolius' (shown at far right) and 'Oak

NORMAN A. PLATE

Finely cut, *sharply pointed segments are characteristic of 6 to 12-inch-wide leaf of A. mollis seedling*

Much bigger *leaves of cutting-grown 'Latifolius' (above) and 'Oak Leaf' are 18 to 24 inches across at widest point*

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DON NORMARK

Summer blooms *of 'Latifolius' acanthus are whitish, lilac, or rose with spiny bracts on 3 to 4-foot stalks*

Leaf,' which has large, glossy, dark green, oak-like leaves.

Exposure, soil, and water. Plant acanthus in sun or partial shade along the coast, in full shade inland. It will grow in almost any well-drained soil. Although quite drought tolerant, acanthus grows and looks better with weekly watering and hosing down in warm weather.

Acanthus needs space. The large plants look best in mass plantings—in borders along driveways, on large banks (planted 3 feet apart). Whatever the size of your garden, a single acanthus in a big box or tub (strong roots can break clay pots) goes well on a terrace or deck.

Control invasive roots. Restrict acanthus plantings with paved areas, substantial headers (wood borders), and strong-rooted plants that compete with acanthus. Roots of undisturbed clumps often stay put, but if you dig clumps, every piece of root left in the ground will produce a new plant. Some gardeners control acanthus roots by removing very small plants as soon as they appear.

Control snails. Acanthus harbors and provides fodder for snails. Bait regularly, especially during cool, moist, or overcast weather.

Cut back after bloom. After flowers fade and foliage starts dying, cut the entire plant to the ground. New growth will appear in a few weeks; plants reach full size after the weather warms in spring. If you value foliage more than flowers, cut stalks before they bloom.

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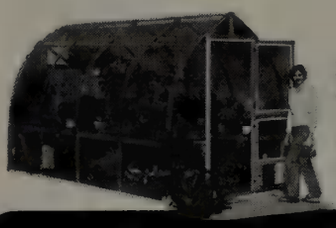

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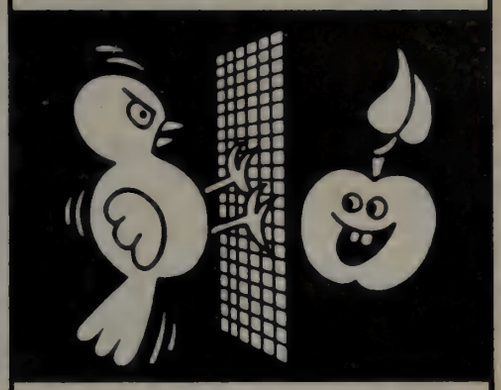

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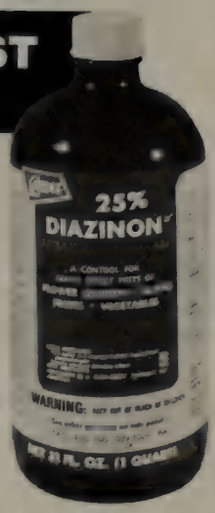

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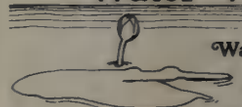

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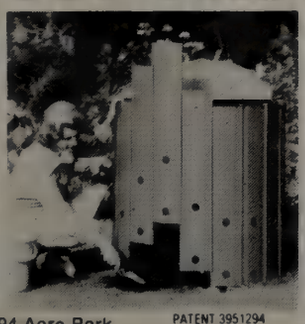

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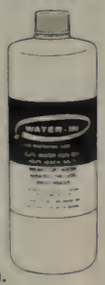

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The short one is the better buy

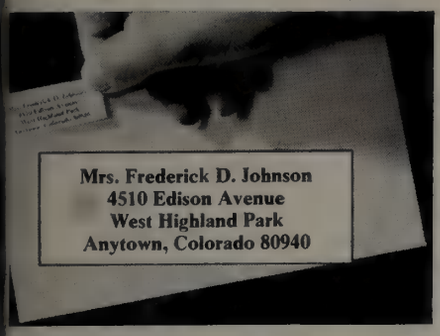
The best way to grow wind-resistant eucalyptus trees is to plant them f seed, as described in the article on p 110. But if you are unable to find s you will have to buy plants fro nursery. Here are pointers that will you find young eucalyptus trees that most likely to thrive.

Look for the smallest, healthiest, 1 lon specimen you can find. Signs of g health include undamaged bright gr gray-green, or blue-green foliage—n yellow—and an abundance of wispy growth, green or copper colored. broken leaves or dry leafless twigs or lower stem indicate a plant too old t of good quality.

Check the soil and root system. If container is half full or less, the soil have been washed away by careless tering. There should be no roots gro out of the drainage holes, nor sh any be visible on top of the soil.

If possible, remove the young tree f its can and look at the roots. If the eucalyptus trees you can find show cling or crowded roots, follow the p ing instructions under "Windpro nursery trees" on page 111.

THE *Sunset* SHOPPING CENTER



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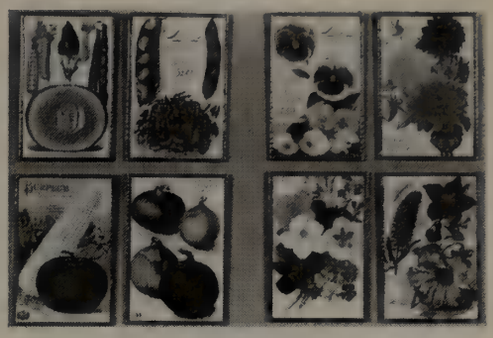

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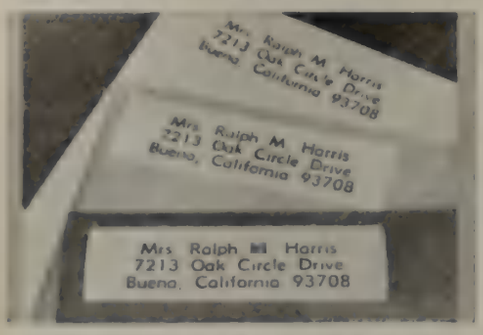

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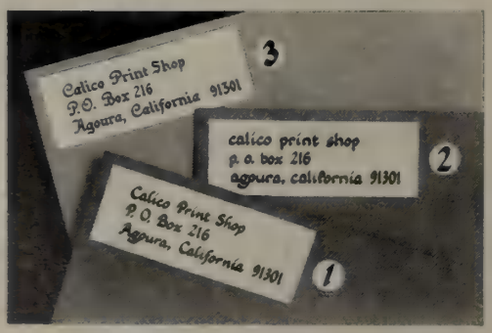

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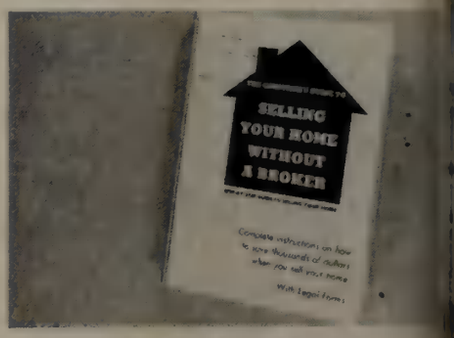

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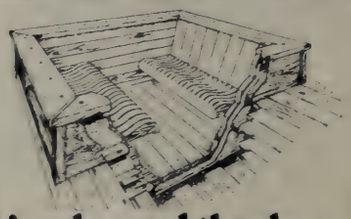

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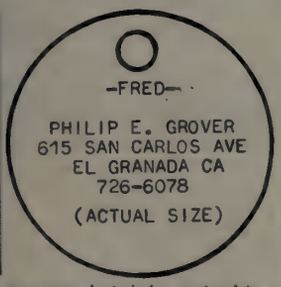

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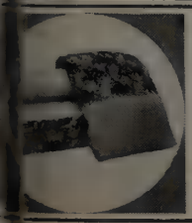

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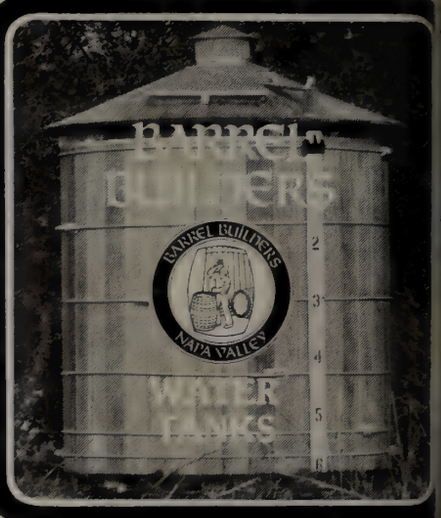

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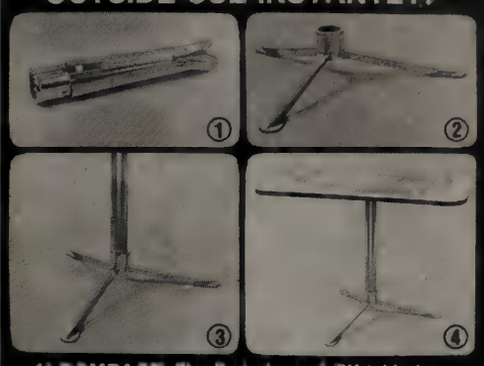

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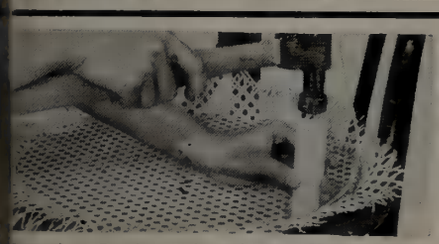

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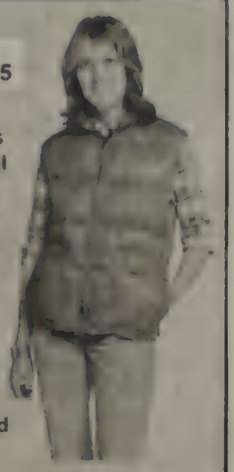

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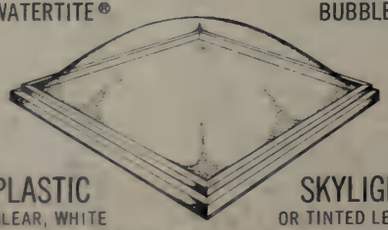

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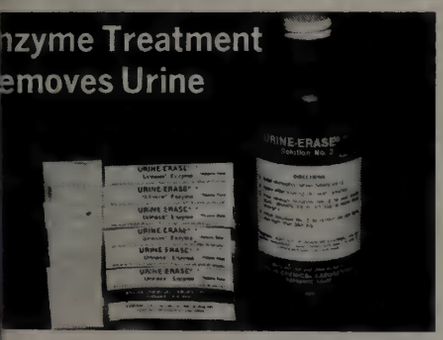

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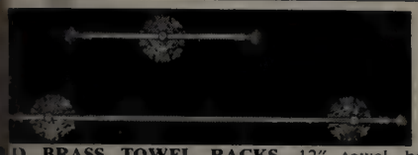

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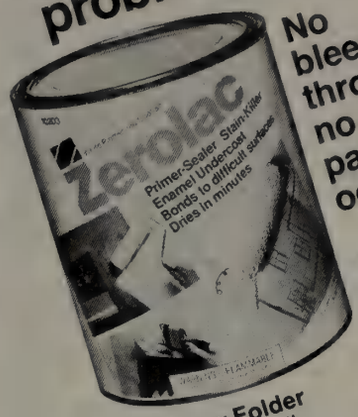

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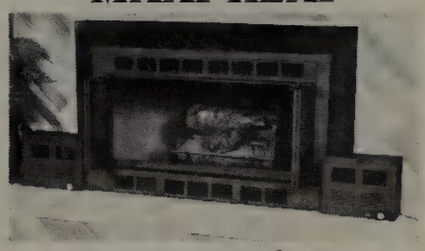

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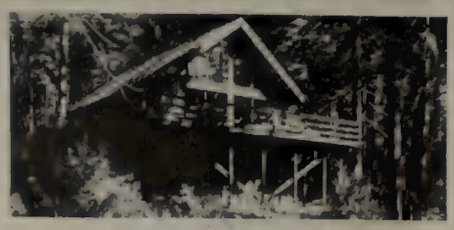

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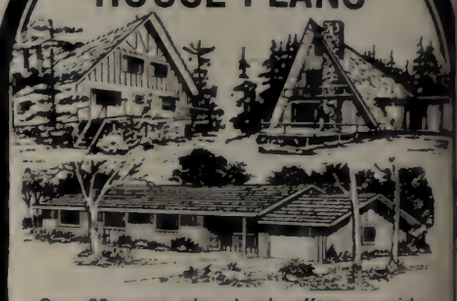

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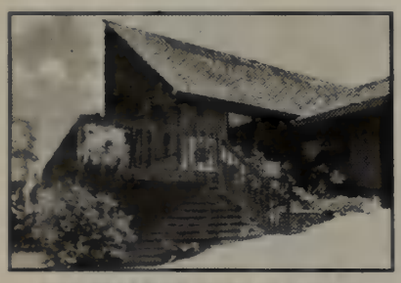

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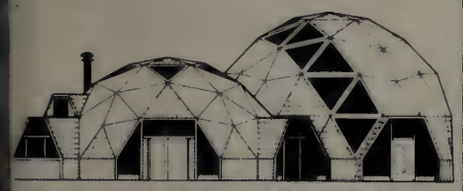

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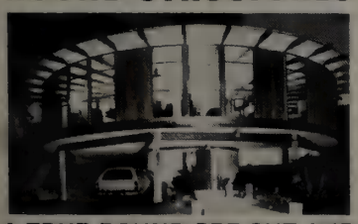

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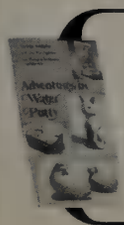

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Channel Islands...change coming

Southern California's eight Channel Islands are most familiar to boaters and fliers, but for many others they are an anonymous—if intriguing—offshore presence, visible along the horizon on clear days. But now more than ever the 150-mile chain is the focus of public attention.

(The northern four—San Miguel, Santa Rosa, Santa Cruz, Anacapa—are considered seaward extensions of the Santa Monica Mountains; they parallel the Santa Barbara coast from Point Conception to Ventura. The southern four—Santa Barbara, San Nicolas, Santa Catalina, San Clemente—lie off Orange and San Diego counties.)

The islands are a kind of American Galapagos. Their canyons and meadows support plants and wildlife found nowhere else. Their beaches and inlets are refuge for seals, sea lions, and sea elephants. They are surrounded by teeming sea life. Archeological finds have included ice-age mammoth fossils and some of the oldest traces of man in North America.

The islands' fragile ecology has endured the presence of man with some surprising success, due in part to careful management by private owners. Periodic efforts to provide national park status have languished. But now other moves are afoot to provide more protection and more public access. Here is a north-to-south rundown:

San Miguel, long part of a Navy target range, may open to visitors for the first time this month under National Park Service supervision, although still owned by the Navy. (For details write to Channel Islands National Monument, 1699 Anchors Way Dr., Ventura 93003.) San Miguel is a bit bleak, but it's one of the coast's major elephant seal rookeries, and five other species of flippered mammals breed here as well—making this island unique in the world.

Santa Rosa, the second largest, continues to be a private ranch.

Santa Cruz, the largest island at 62,000 acres and currently a private ranch, may become a permanent nature preserve if a Nature Conservancy fund-raising effort meets its goal by July (see caption below).

Anacapa and *Santa Barbara*, the two tiniest islands (about 700 acres each), have constituted the National Monument since 1938. Scheduled cruises from Ventura deliver hikers and campers to Anacapa, but you need your own or a chartered boat to visit Santa Barbara.

San Nicolas and southernmost *San Clemente* are Navy-owned and off limits to the public.

Santa Catalina's fabled Avalon has long lured hordes of visitors. But in 1974 Los Angeles County negotiated an open space easement with the island's owners, preventing development of 41,000 acres of back country for half a century in exchange for reduced tax assessment. More recreational access is promised, and a citizens' committee is expected to form this summer to help develop a master plan.

There is still much to be done to protect the islands' natural areas, a unique Western resource. But current signs are promising.

WINDOW ON THE WEST: *Santa Cruz Island*

Weekend boaters cluster in Santa Cruz Island's Pelican Bay. The largest and biologically richest of the Channel Islands, Santa Cruz is home to 31 endemic plant and 44 resident bird species.
Under a purchase agreement, the Nature Conservancy would take title to 15,000 acres and gain a conservation easement over another 40,000 acres owned by the Santa Cruz Island Company. The Conservancy hopes to reintroduce native animal species and host field trips. The Atlantic Richfield Foundation has provided $1 million in seed money; another $3 million is needed by July 5. For more information, write to Santa Cruz Island Fund, The Nature Conservancy, 425 Bush St., Fifth Floor, San Francisco 94108.

July 1978

95 cents

Sunset

The Magazine of Western Living

Mexico Dinner in Hollywood Hills p. 78

Surprise – the Big Taco

BURLINGAME
JUN 30 1978
LIBRARY

Hiking, Music, Theater in High Utah p. 70

The Adobe Houses of New Mexico p. 82

Small Decks "Float" in Garden p. 76

1978 Chrysler Cordoba

"The picture of style and taste."

Anthony Edgeworth, contributing photographer, [illegible] Magazine

We asked New York fashion photographer, Anthony Edgeworth to show you a new Cordoba the way he sees it.

"To me [illegible] Cordoba is classic. Look at the proportions. Look at the unbroken reflective surfaces . . . an absence of chrome. There is a thrust to the hood . . . a strong look. The framing of the grill is unpretentious and clean. I like that. I like the interior too. It's uncluttered [illegible] strong. The car looks very special . . . like it would fit a very special way of life. Cordoba? It's the picture of [illegible]."

That's the way one of the nation's leading photographers sees Cordoba. Now put yourself in the picture when you buy or lease a new Cordoba at your Chrysler-Plymouth dealer.

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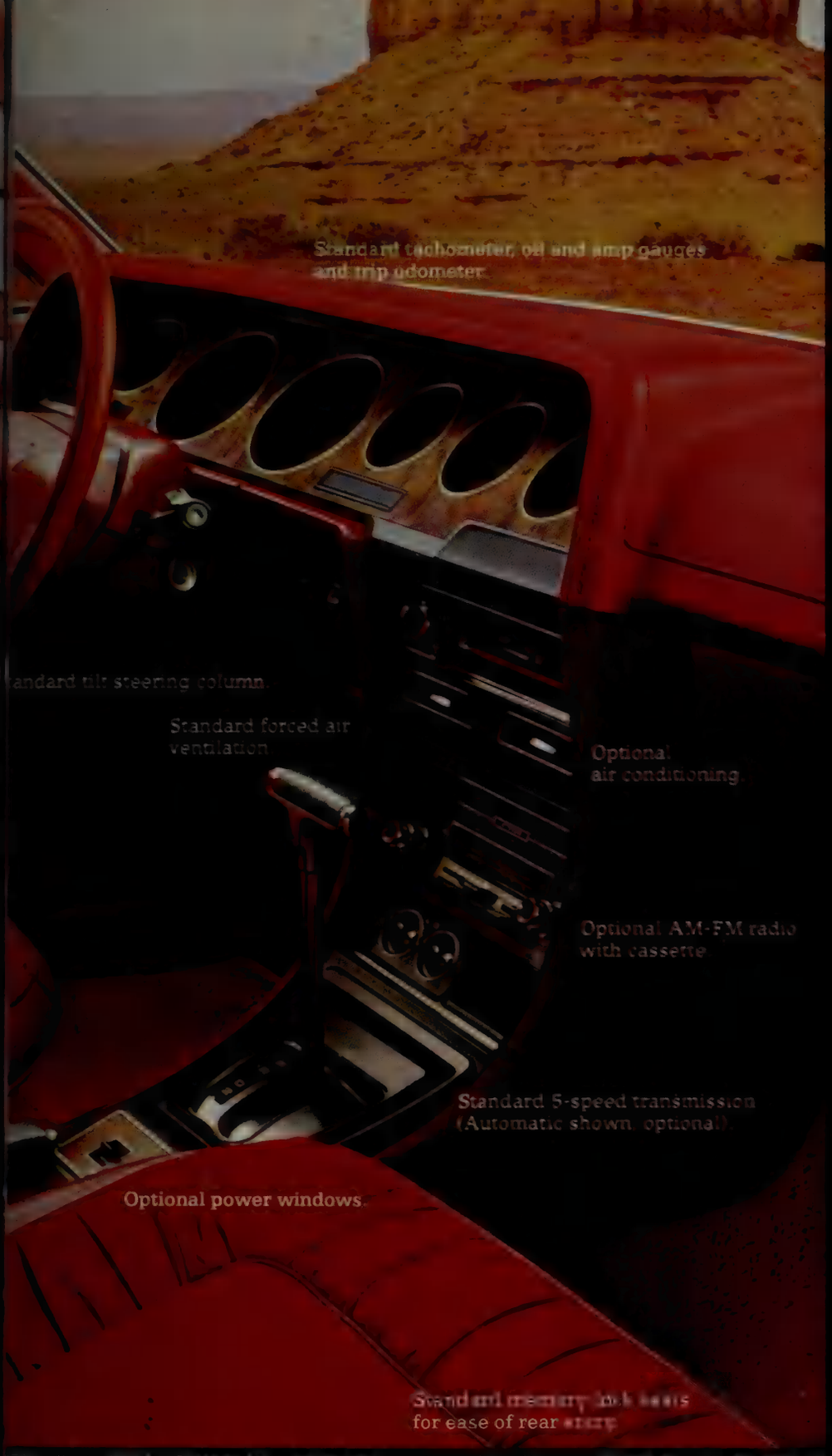
Sapporo



estimates based on Sapporo 1.6 litre engine and manual transmission. Your actual mileage may differ depending on how, if, where you drive, the condition of your car and its optional equipment.

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35 MPG HWY. **26** MPG CITY*

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Sunset • The Magazine of Western Living*

THE PACIFIC MONTHLY *

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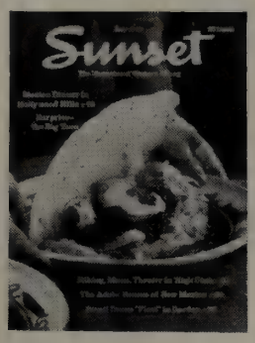

Made with a plate-size flour tortilla that's crisply fried, then curved, this giant knife-and-fork taco is too big to eat out of hand. You'll find the recipe and ideas for a complete Mexican dinner party on page 78. Handmade painted plates are by Dora De Larios, cover photograph by Glenn Christiansen

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Quiet rolling skates *can be rented at four outlets near Golden Gate Park (above). Then you can cruise through a fern forest near Music Concourse*

GREGG MANCUSO

A Sunday skate through Golden Gate Park

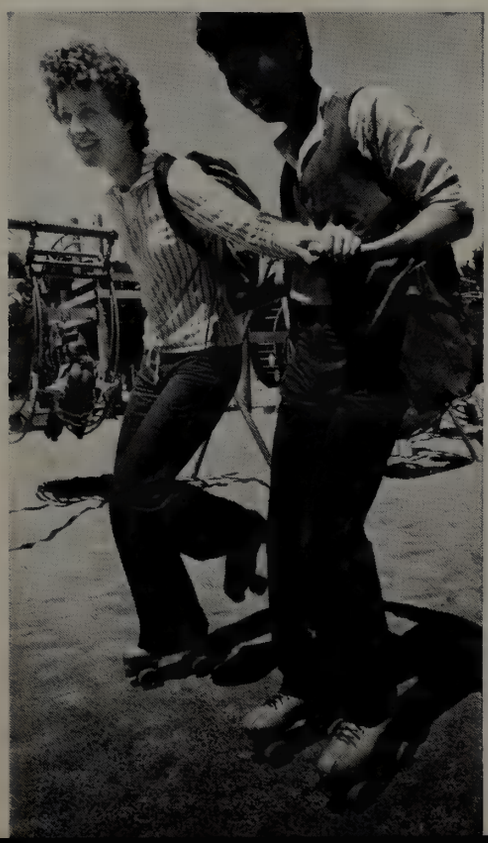
Now you can take a Sunday stroll in the park on roller skates (you'll be surprised how fast the technique comes back). On Sundays, the main road through Golden Gate Park, John F. Kennedy Drive, is closed to autos and makes a perfect thoroughfare.

In the past month some shops have begun renting quiet, urethane wheeled boot-type skates, making a skate on park paths a smooth, fairly noiseless experience. There's no place where skating is prohibited, but Strybing Arboretum and the Japanese Tea Garden are just too crowded for safe skating.

Take off your skates to visit the M. H. de Young Memorial Museum or the California Academy of Sciences; carry shoes in a day pack for changing or brave it in stocking feet. At the de Young you can check skates; at the Academy, just sling them over your shoulder.

Here are four places to rent boot-type skates; two are maverick rental stands that operate from vans on Fulton Street just east of Park Presidio Boulevard. Most have sizes ranging from children's size 3 to men's size 13. All require deposit of driver's license or major credit card. We list summer hours in effect through Labor Day.

Aji Cyclery, 1243 Ninth Avenue near Lincoln Way, just ½ block from south side of park. Hours: 9 to 6 daily. Rates: $1.50 per hour or $5 per d--



One couple *tries a disco dance on smooth urethane wheels*

Buffalo Skates, Eighth Avenue and Fulton Street. Hours: 9 to dusk daily. Rates: $1.50 per hour. Operates out of a truck with a buffalo emblem painted on its side.

Skates on Haight, 1818 Haight Street near Stanyan Street. Hours: 10 to 6 daily. Rates: 50 cents per hour. Perhaps the fanciest shop—devoted just to skates and skateboards.

Smooth Skates, Fifth Avenue and Fulton Street. Hours: 9 to dusk daily. Rates: $1.50 per hour. Also a truck store, it displays a park map coding trails by steepness and difficulty.

Fiddlin' and ridin' in Salinas

The week before the big rodeo hits Salinas, fiddlers start sawing up a storm at the annual Salt Flats Hoedown. From July 7 to 9 you'll hear some of the West's best in the Western Regional Old Time Fiddlers Championship and the Flat Pick Guitar Contest.

On Friday at 7 P.M. the action starts with about 25 contestants playing flat pick guitar (the instrument is set on a

Hard-hatted *editor (left) checks out unfinished adobe with owner-to-be*

Getting into New Mexico's adobes

When we first included Colorado, Wyoming, Montana, and New Mexico in *Sunset's* territory 16 months ago, we noted that these states "will enrich the magazine for all of us." This month, there's a good example of Mountain States enrichment in our article on New Mexico adobes—one of the rare indigenous styles of architecture in the United States.

To learn about adobes, building editor Nancy Davidson visited a multitude of new, old, and remodeled New Mexico homes, and New Mexico and California brickmakers. She concludes: The structures have a timeless sculptural quality, and the mud-pie bricks are "a nifty do-it-yourself building material" with application for *Sunset* readers throughout the West. Our report begins on page 82.

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table or in the player's lap). Saturday from 9 A.M. until about midnight almost 100 fiddlers will vie for prize money and fame. Sunday starting at noon there's a bluegrass concert with three bands.

All events are at the Community Center, 940 N. Main (just 1/10 mile east of U.S. 101 at the Main Street exit). Salinas is 60 miles south of San Jose. Admission on Friday is $3 for adults (children under 13, $1); Saturday, $1 morning and afternoon, $4 evening; Sunday $1.

The four-day rodeo, held next to the Community Center, runs July 13 to 16 from 1:30 to 4:30 except Saturday 6:30 A.M. to 10 P.M. Admission is $4 to $8.

W. D. A. STEPHENS

Tiled roof, *iron grillework, and picturesque arches reveal the Colonial Spanish inspiration of Guild buildings*

New guided tours of Allied Arts Guild

For years the adobe headquarters of the Allied Arts Guild in Menlo Park has been a popular shopping and luncheon spot. Now you can take a free guided tour of the old ranch, its 13 shops, and the gardens.

On the 1-hour tour you'll hear of the property's history, from its beginning as a land grant from the King of Spain to when it housed a crafts guild in the late 1920s. Now it is run by the Woodside-Atherton Auxiliary to the Children's Hospital at Stanford.

To make a tour reservation, call the guild at (415) 325-3259. Tours are conducted between 9:30 and 5 Monday through Saturday. The Tea Room restaurant has two seatings at noon and 1:15, daily except Sunday, and tea from 3 to 4 weekdays; call (415) 324-2588.

The Allied Arts Guild is in Menlo Park (35 miles south of San Francisco), at Cambridge Avenue and Arbor Road just southwest of El Camino Real.

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Sunset School & Camp Directory

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Western Grocery Directory	beginning page 138
Garden Center	beginning page 193
Shopping Center	beginning page 196

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Happy quintet *of rowers shoots a rapid on the Stanislaus. This year high levels should stretch the rafting season through September*

nia's Stanislaus River may end soon; the New Melones Dam is scheduled to begin filling this November.

This summer or next may be the last chance to run the river. Here are 14 outfitters offering one and two-day trips at $30 to $40 per person per day. Call for reservations and trip time and meeting place. Trips start near Angels Camp on State 49, 40 miles east of Stockton.

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James Henry River Journeys, Box 4020, Berkeley 94704; (415) 527-4649

Kern River Tours, Box 1844, Ridgecrest 93555; (714) 375-5732

Mother Lode, 581 Continental Dr., San Jose 95111; (408) 578-5434

OARS Inc., Box 67, Angels Camp 95222; (209) 736-4677

Outdoor Adventures, 3109 Fillmore St., San Francisco 94123; (415) 922-9998

Outdoors Unlimited, 2500 Fifth Ave., Sacramento 95818; (916) 452-1081

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White Water Voyages, 1225 Liberty St., El Cerrito 94530; (415) 236-7219

Wilderness Waterways, Box 366, Columbia 95310; (209) 532-1327

Zephyr River Expeditions, Box 529, Columbia 95310; (209) 532-6249

Friends of the River (FOR), a conservation group, is also running benefit raft trips to raise funds for a last effort to postpone filling of the dam; for dates and reservations, call (916) 451-9955. □

For travel planners, a July check list

Caribbean inns. A new 192-page paperback book, *The Inn Way . . . The Caribbean*, by Margaret Zellers, can help Caribbean visitors find that small hideaway far from the crowds. Descriptions of over 100 inns from Jamaica, the Virgin Islands, and the French West Indies to Trinidad and the Netherlands Antilles are included with sketches, addresses, telephone numbers. You can buy it in bookstores ($4.95) or order it from The Berkshire Traveller Press, Stockbridge, Mass. 01262.

Cooking tours. August 5 and 12 you can join two-week cooking tours to London's Cordon Bleu and Paris's La Varenne. You'll spend five days near Windsor for cooking instruction and flower arranging classes, and two days in London. While in Paris you'll attend a patisserie lesson and cooking and demonstration classes. Tour cost of $1,675 includes air fare, lodging, most meals. For details, see a travel agent or write to Unravel Travel Inc., 24 California St., San Francisco 94111.

Northern Canada by train. August 19 is the departure date for a 16-day tour through northern Canada to Hudson Bay. You'll visit Victoria on Vancouver Island, travel by ferry to Prince Rupert, and sightsee two days in Jasper National Park. You'll continue to Saskatoon and Churchill, a frontier town on Hudson Bay, where you'll visit an Eskimo village and museum before returning to Vancouver by a different train route. The cost (from $1,270) includes transportation from Los Angeles, hotels, most meals. See a travel agent or write to Great Western Tours, Sheraton Palace Hotel, 639 Market St., San Francisco 94105.

Mediterranean/Aegean cruise. A 19-day cruise sponsored by the American Museum of Natural History departs September 17, accompanied by lecturers in art, architecture, archeology. After several days in Rome visiting the antiquities and the Vatican, you'll journey to Naples and Pompeii. You'll then board the *MTS Orpheus* and sail to Palermo, Tunis and the remains of Carthage, Malta, Olympia, Corinth, Santorini, Crete, Rhodes, and sites in Turkey. Tour cost from Rome to Piraeus starts at $1,900. Write to Esplanade Tours, 38 Newbury St., Boston 02116. □

What a travel agent can do for you: Provide information on tours; reserve space on air, rail, bus, and steamship lines; make hotel, ranch, and resort reservations; take care of trip planning, including side trips and special events. Travel agencies do not charge for arranging transportation or package tours, but do charge for "custom" tour service.

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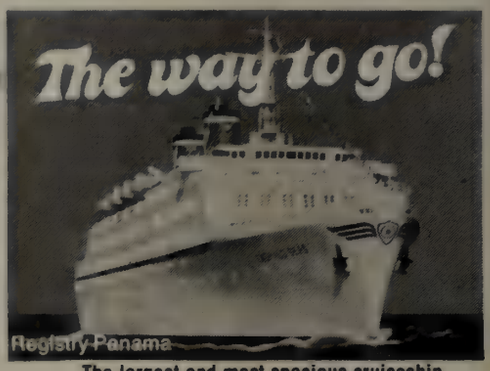

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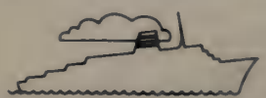

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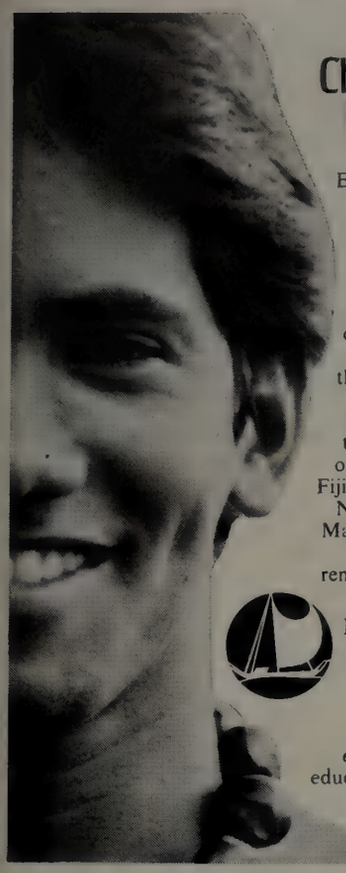
Hawaii



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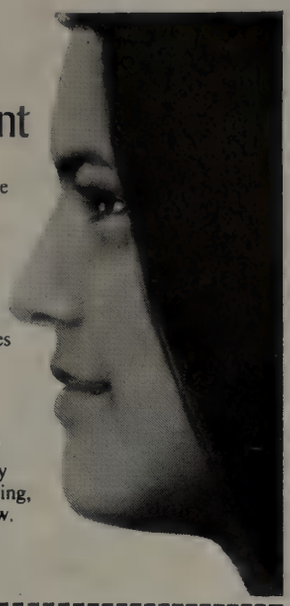

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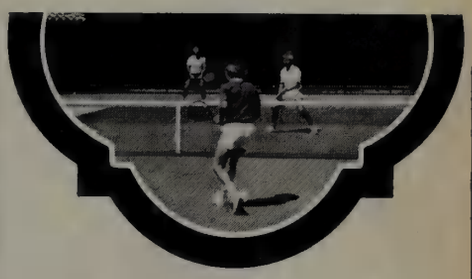

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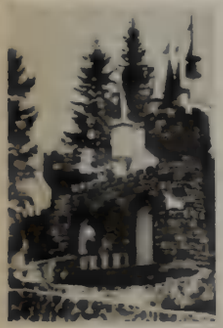

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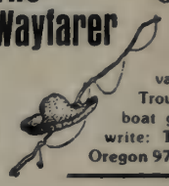

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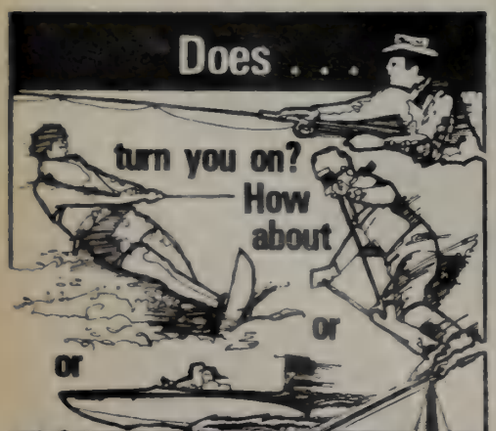

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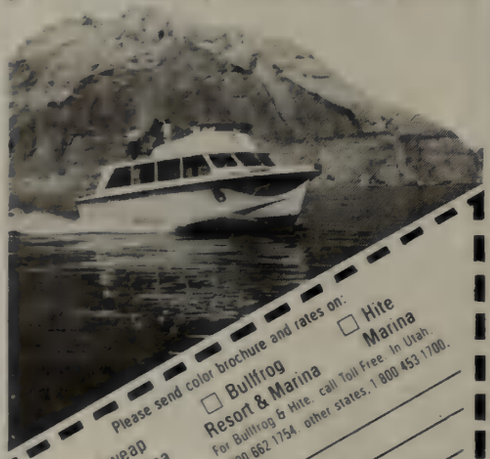

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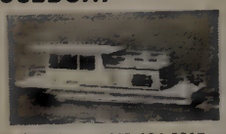

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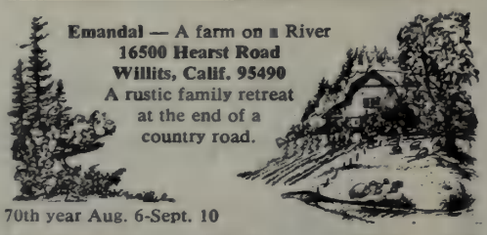

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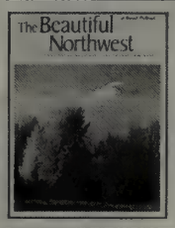

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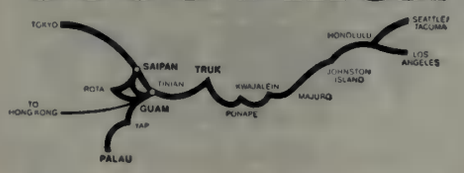

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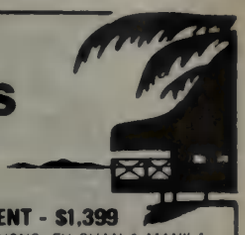

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CAROLYN CADDES

Family farms *offer a relaxed way to shop; this one in Yolo County sells apricots from a flower-bedecked barn. Young girl at left is adjusting weights on an old-time platform scale*

California farmers invite you into their fields and orchards on seven "farm-trails" tours

Country sun warms your back as you climb a narrow wooden ladder propped against a tree bent under its burden of fruit. The apricots, a juicy rich red-gold, twist off easily into your hands. You're doing the most rewarding part of the farmer's job—the harvest—without the work and worry that goes before.

Many California farmers invite you into their fields and orchards to pick or buy your own fresh produce. They have joined together to publish maps, called farm-trails tour guides, to direct you to small farms in eight counties, from Fresno to Sonoma. Each includes a detailed map listing 28 to 150 small growers who have produce stands or will let you harvest right from their fields.

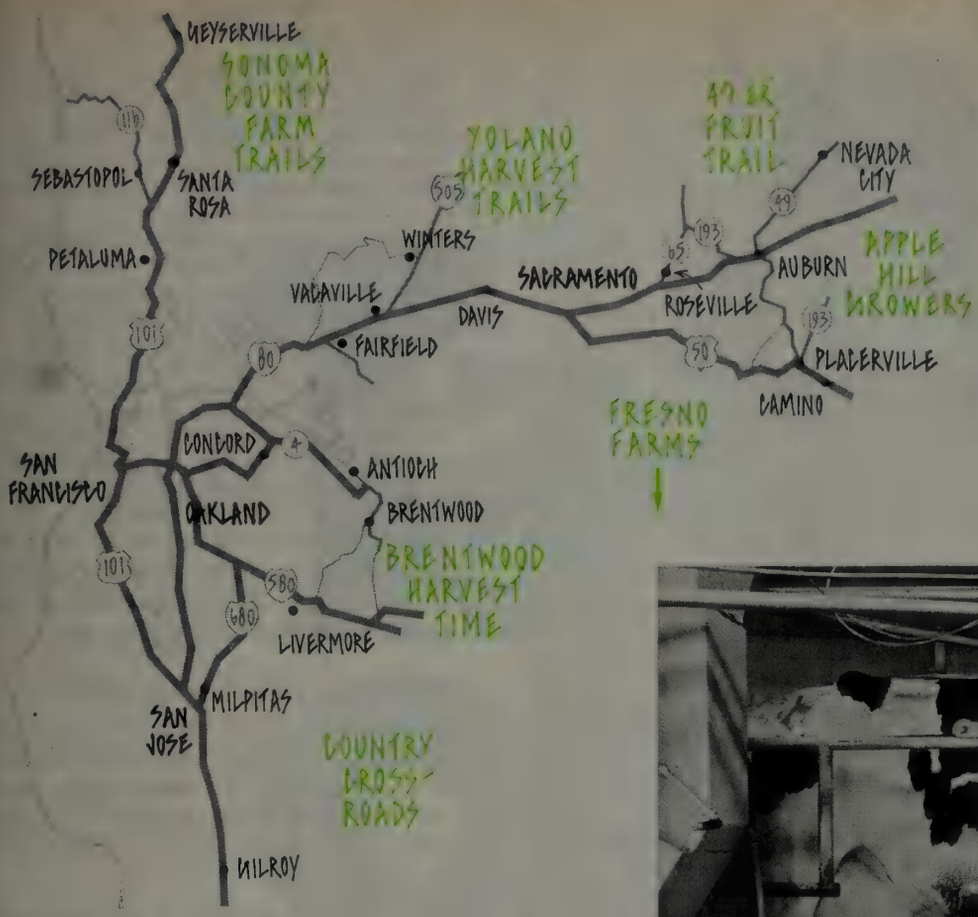
Harvesting this month includes apricots, cherries, and nectarines, and runs through fall with pears and late apples, into December with Christmas trees. Your farm-trails guide will tell you when and where specific crops are available. And it can lead you to other farm experiences—places selling live poultry and fresh eggs, large nurseries, wineries with tasting rooms, and dairy and ranch tours you can take. Some guides also list shops and restaurants along the route.

Why some farms have opened their gates to the public

The farm-trails idea isn't new—the first was started in El Dorado County in 1963. But it seems to have found new popularity among both growers and buyers; two trails organizations formed last year in California and two more are on the way. (Washington also has such farm groups, all started just last year.)

In fact, many smaller farms survive the high costs of farming and harvest labor today only because they have banded together to begin selling direct to the consumer. This way they can let produce ripen longer (it won't have to be transported and stored). When they don't have to pack for shipping, they can pass along some of the savings to you.

You can save just by shopping at the



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In Santa Clara, *on a tour of Edelweiss dairy, you can watch a Holstein being milked (7 gallons of milk in 3 minutes)*

You pick *the ripe ones for yourself, leave the rest to ripen on the tree*

farm's produce stand—and if you pick your own, you save even more. Most farm-trails groups insure that at least 75 percent of the produce sold at each farm is locally grown, not shipped in from outside and resold. How much you can save depends on when you buy (call ahead to determine expected peak harvest, and buy then) and how much you can use. Generally, the more you buy, the lower the price per pound.

If you're a home canner or plan to share your purchases with neighbors, you can really save. For example, a field lug (48 pounds) of apricots last year cost about $7 at one farm compared to 60 to 80 cents per pound in stores. (Note that farm produce usually is not graded by size, as it is in stores.)

The seven farm trails

Here are the seven farm-trails organizations and how to write for their maps (include a return envelope where noted). After you decide which farms to visit, it's best to call ahead to check weather and crop readiness.

Contra Costa County: Harvest Time, Box O, Brentwood 94513. This 3-year-old group about 35 miles east of Oakland has 28 farms; almost all allow you to pick. Main crops: apricots, cherries, corn, peaches, tomatoes. Send a stamped, self-addressed legal-size envelope with your request.

El Dorado County: Apple Hill Growers, Box 494, Camino 95709. The 35 member farms clustered around Camino, near Placerville, are mostly small (1 to 2 acres). Main crops: seven varieties of apples, plus peaches, plums, Bosc and Bartlett pears.

Fresno County: Getting it Straight, National Land for People, 2348 N. Cornelia Ave., Fresno 93711. The newest group, it expects to have some 60 members this year and one of the widest offerings in a 10-mile radius of Fresno in the Central Valley. Main crops: cabbage, cauliflower, citrus, grapes, lettuce, peppers, tomatoes. Include a stamped, self-addressed legal-size envelope with request.

Placer County: 49er Fruit Trail, Box 632, Foresthill 95631. One of the largest groups, its nearly 50 members cover the region around Auburn, in the Sierra foothills east of Sacramento. Main crops: apples, Christmas trees, citrus, melons, pears.

Santa Clara County: County Crossroads, 1368 N. Fourth St., San Jose 95112. In the once heavily farmed Santa Clara Valley, the 30-member farm-trails group has such offbeat offerings as a mushroom farm and free dairy tours. Main crops: corn,

SCUBA VACATIONS

with John H. Keller
President
Caribbean Holidays, Inc.

Imagine soaring weightlessly over rainbow clouds of fish. Picture fan corals swaying gently with the current, gardens of sea anemones opening and closing, the fascination of a sunken ship to explore. This is the lure of scuba diving, one of the world's fastest growing sports. And there's no better diving anywhere than in the clear warm waters of the Caribbean, where we've been travel experts for 45 years.

Many of our Caribbean Holidays scuba vacation packages, which are available through your travel agent, include the equipment you need as well as introductory lessons. The "Pleasure Chest Scuba Special" at either the Curaçao Hilton or the Jamaica Hilton includes a complete beginners course. "Scuba Special" at Sam Lord's Castle, a landmark hotel in Barbados, offers five dives, including all equipment, instruction, and a day's use of an underwater camera.

In the calm Virgin Island waters, we offer a wide choice of diving adventures. A week at the Bolongo Bay in St. Thomas includes snorkeling, sailboating, yachting, tennis, shopping, sightseeing, in addition to scuba lessons and two dives.

If you're an experienced diver, you may spend a "Divers Delight" week with the St. Thomas Diving Club, with a different dive each day for eight days, including the famous 1867 Wreck of the Rhone.

In all, we offer 11 eight-day and seven-night packages to the best diving spots in the Caribbean, including Bonaire, Curaçao, Jamaica, Barbados, St. Thomas, Tortola, and St. Croix, gateway to the famous underwater National Park at Buck Island. Prices range from $183.50 to $352.00 each, for two people. Children under 18 sharing parents' accommodations are free at two hotels, children under 12 are free at four more. Shorter and longer stays are also available. Your travel agent has all the details.

The only way you can book any Caribbean Holidays vacation is through your travel agent, who can also give you the most economical airfare available from where you live. Please tell him or her I sent you.

cucumbers, nuts, peaches, pears, prunes, tomatoes.

Sonoma County: Sonoma County Farm Trails, Box 6043, Santa Rosa 95406. Its over 150 members from Petaluma off State 101 to Santa Rosa and Guerneville include wineries, dairies, many nurseries. Main crops: apples, beans, Christmas trees, eggs, grapes, peaches, plums, live poultry, walnuts. Include stamped, self-addressed legal-size envelope.

Yolo-Solano counties. Yolano Harvest Trails, Box 484, Winters 95694. Started last year, the group has grown to nearly 60 members around the Winters-Vacaville area west of Sacramento off Interstate 80. Several U-pick orchards, a winery, and a farmers' market are on the trail. Main crops: almonds, apricots, figs, dried fruits, oranges, peaches. Include a stamped, self-addressed legal-size envelope.

For more information on two of the farm trails, see *Sunset* articles on Brentwood (August 1977, page 38B) and Sonoma (December 1977, page 44).

Take tender care of your produce

When you're faced with low prices and tempting fruit and vegetables, it's easy to buy too much. To avoid waste, gauge your needs before the trip and ask neighbors if they'd like to share the bounty and the cost.

At the farm, examine fruits and vegetables for discoloration, bruises, deterioration. But don't squeeze or pinch—that causes decay.

How you handle fresh produce on your way home may determine how long it stays fresh. Bring medium-size containers—too large a box or bucket may result in overfilling and crushing. Keep produce cool; if it must be stored in a hot car trunk, lay a damp towel over it.

If you plan to buy eggs, cheese, milk, or other dairy products, bring an ice chest along; even temporary storage at a temperature a few degrees too high (40° is best) can subtract two to four days from the life of a dairy product.

For storage at home, don't trim or wash produce (except for leafy greens), as this increases the chance for bruising and for mold to grow. A lower temperature will slow ripening processes and decay, so refrigerate such vegetables as asparagus, beans, broccoli, cauliflower, cucumbers, lettuce and leafy greens, mushrooms, peas, and squash. Many fruits—apples, apricots, berries, cherries, peaches, pears, plums—need to be ripened (unwrapped) before they're refrigerated.

A new free produce guide

Starting this month, California Department of Food and Agriculture is planning to distribute a monthly regional information sheet listing farmers' markets, small growers, and crops ready for harvest. To get the current list, write to Direct Marketing Program, 1220 N. St., Sacramento 95814. □

Take one.

you've been telling yourself you're oing to take a cruise "someday," now's e time. Because at Norwegian aribbean Lines, we've made taking a uise easier than ever. We invented ontemporary cruising by keeping the egance in and the snobbery out—our uises are one-class, unstuffy, and n. Today, we take more people to the aribbean than any other line. Here are ome of the reasons our cruises are easy to take:

Your choice: Any week, year ound. We have four sleek new ships the Southward, Starward, Skyward, nd Sunward II—all designed for aribbean cruising. As for sailing chedules, just pick your week. And ou're on. With NCL, you have three ifferent one-week cruises to choose om, plus one 3-night and one 4-night all sailing from Miami every week.

America's #1 fly/cruise via Vestern Airlines. Most NCL cruises egin on Cloud 9. That's the name of ur fly/cruise system that jets pasengers round-trip to Miami from most ajor Pacific cities via Western Airnes DC-10 Spaceship with stretch-out omfort, movies and complimenry champagne. Cloud 9 is the most opular fly/cruise in the country.

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and Cozumel in Mexico, Grand Cayman Island and the Out Islands in the Bahamas.

If you have less than a week, our 3 and 4-night Bahamarama℠ Cruises will take you to Nassau and the Berry Islands in the Bahamas.

Service, NCL style. On board, you'll enjoy four great meals a day, dancing and entertainment every night. And best of all, you'll meet a staff of experienced NCL people that cares enough to keep our passengers coming back for more. (We carry more repeat passengers than any other Caribbean line.)

You don't have to be a millionaire to take one. Room, food and entertainment are all included in the price of your ticket. And it all costs less than most good resorts. After you've cruised with us, you'll agree there's no other vacation value like it.

So don't put off taking your NCL cruise another day. Walk right into your travel agent's office, ask for the free, 28-page, full-color NCL Cruise Book, and take one.

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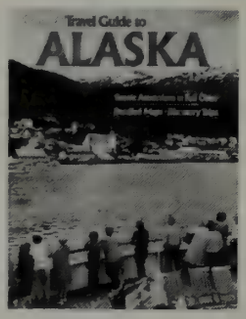
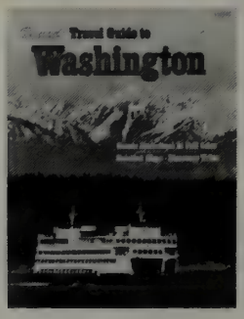
COLUMBIA GLACIER CRUISES

Glacier Queen *chugs past face of Alaska's Columbia Glacier on its daily trip from Valdez to Whittier. Giant slabs of ice sometimes break loose, thundering to the sea. On overcast days, glacier looks even deeper blue*

ED COOPER

Puget Sound *fishing village of La Conner is a 1½-hour drive north of Seattle. Over its shoulder: 10,788-foot Mount Baker. Nearby beaches are popular for picnicking and clamming*





New guides to two of our watery states

Alaska is larger than California, Arizona, Nevada, Oregon, and Washington put together. It spans four time zones, has 3 million fresh-water lakes, and 28,000 of its 586,400 square miles are permanently locked under ice. One of its glaciers is larger than Switzerland.

Down in the Lower 48, the state of Washington is geographically split by the Cascade Mountains. Its varied terrain and climate make it possible to ski on the Fourth of July and sail in the middle of winter.

Two revised books, the *Sunset Travel Guide to Alaska* and *Sunset Travel Guide to Washington* (Lane Publishing Co., Menlo Park, Calif. 94025; $3.95 each), can help you plan a vacation to these states—whether you prefer to see glaciers or cities, mountains or museums.

For the traveler, there are revised maps and information on transportation, accommodations, special events, and recreation activities. And there are feature sections on topics ranging from how to cope with a grizzly in Alaska to Indian history in Washington.

Both books contain 32 pages of full-color photographs—many more than their original editions. □

TODAY A 2 YEAR OLD DATSUN 280-Z IS WORTH MORE THAN ITS ORIGINAL PRICE.*

IT'S A FUEL-INJECTED INVESTMENT.

1978 DATSUN 280-Z. The first thing that grabs you is that long, sloping aerodynamic hood. The paint looks multi-layered deep. Liquid. Gleaming. You open the door and slip behind the wheel...and listen to the door close with the comforting thud of taut quality.

Before you is a fully-instrumented cockpit. Switches. Gauges. Controls to obey your every whim. Beneath you is a racing-bred animal, electronic fuel-injection, rack and pinion steering—dedicated to pure driving adventure.

You are in our masterpiece. The Datsun 280-Z. You take off and feel the instant thrust of the powerful six-cylinder overhead cam engine. You corner, sure and flat, with fully independent suspension, and radials biting the road. You switch up the power antenna, flip on the stereo, relax in the reclining bucket, and with just a touch of your toe, marvel to the instant response of fuel-injected fury. Yet all these performance and luxury features are standard equipment on your Datsun 280-Z.

You see, at Datsun we can get very passionate about a fine automobile. The 280-Z is our finest. We built it strong enough, fast enough, beautiful enough and affordable enough to make it the most popular sports car in the world.

Buy one now. It could be the most exhilarating investment you'll ever make. In 2 or 4 seater.

NOBODY DEMANDS MORE FROM A DATSUN THAN DATSUN.

DATSUN
WE ARE DRIVEN

Source: *Kelley Blue Book retail price, basic car, compared with manufacturer's suggested retail price. Prices vary according to condition and equipment.* ***Transmission:*** *standard 4-speed, automatic or 5-speed optional.*

The ILikai Life

Elegant Simplicity in Waikiki

The Western International Hotels' tradition lives luxuriously at The ILikai in Waikiki.

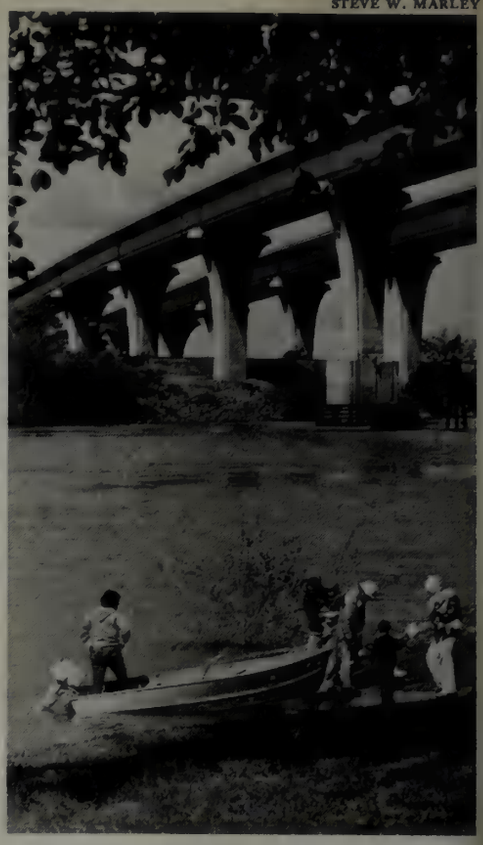
More guests come to The ILikai as individual travelers, than to any other major Waikiki hotel. And no wonder — it's as individual as you are.

Everything is here at The ILikai — open air lanais, outdoor entertainment areas, over 30 fine shops and restaurants, 24 hour room service, beaches, two freshwater swimming pools, and seven tennis courts. The rooms themselves, most with kitchenette facilities, are the largest in Waikiki.

Typical oceanview rooms range from $45 - $62, double occupancy; suites from $85 to $420. For reservations just call your travel agent or 800-228-3000.

The ILikai — Waikiki's masterpiece.

STEVE W. MARLEY



Elkhorn Bridge *lifts Interstate 5 traffic over tree-shaded riverbank park*

Sacramento River cool-off just off Interstate 5

Cooling-off spots are always welcome news in California's summer-hot Central Valley. When the cool spot is a new riverbank park just off Interstate 5, the news is worthy of celebration.

Interstate 5 vaults the Sacramento River just north of Sacramento on double-spanned Elkhorn Bridge. Beneath its east bank approach, shaded by stately groves of riverbank trees, Sacramento County maintains a delightful small park with shaded picnic tables, modern restrooms, drinking water, grassy lawns and a concrete launching ramp.

Next to it across a levee road is a paved parking area, shaded by the bridge approach and large enough for big RV's.

Officially referred to as Elkhorn Bridge Fishing Access, the park was built with funds from the state Department of Navigation and Ocean Development. To reach it, take the Sacramento Metropolitan Airport exit from Interstate 5 and follow Frontage Road from the airport entry drive. It is open daily from sunrise to sunset; entry and launching are free.

A small market by the park entrance sells cold drinks, picnic supplies, and fishing bait. □

THE COLOR OF THINGS TO COME.

n Japan, taking pictures is more han a hobby. It's a way of life.

And the film used most is Fuji ilm.

In fact, in 120 countries around he world, over 10 million pictures day are taken on the film in the reen box.

Pictures with sharp, bright, beautiful color.

And now you can get this same beautiful color in America, in sizes that will fit any camera you own.

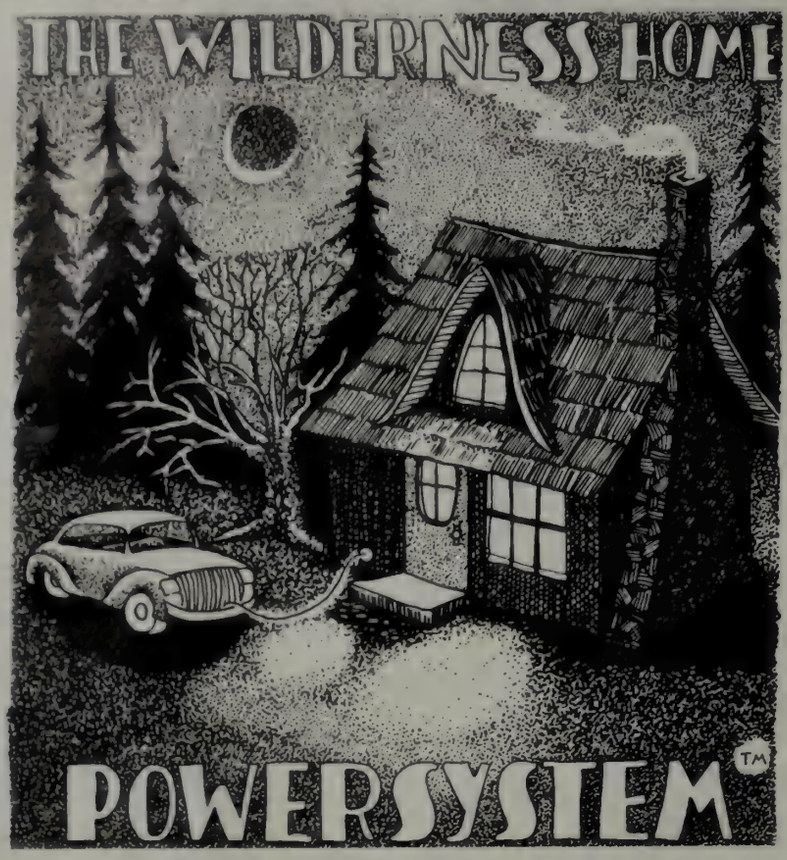
And just because our film comes from Japan, doesn't mean you can't have it processed at the corner drugstore.

Next time you need film for your daughter's birthday or Uncle Norman's 50th wedding anniversary, try a roll of Fuji film.

You may not be used to the color of our box, but wait till you see the color of your pictures.

OVER 10 MILLION PICTURES A DAY ARE TAKEN ON FUJI FILM.

VIRTUALLY FREE* ELECTRICITY FOR YOUR VACATION HOME



AND HOW TO DO IT

The Wilderness Home Powersystem™ *And How To Do It* is a fully illustrated book for the do-it-yourselfer. It is designed for those who have opted for a simpler way of life—yet desire the basic comforts of today in remote or wilderness areas. An absolute natural for vacation homes.

It is a 12 volt system similar to what you find in today's super self-sufficient motor homes.

- It can provide limited 117 volt-AC power (up to 1000 watts) from an inverter for light household appliances such as food blenders, mixers, color TVs, vacuums, on an intermittent basis. No generator or engine has to be running.
- It can be expanded quickly for future needs.
- It is economical to install and operate.
- For many, the cost* of electricity is included in your gasoline purchase for your car.
- A 12 volt system will not shock or electrocute.
- The system is adaptable to wind, water and solar as they become cost efficient.

HOW DOES IT WORK?

The Wilderness Home Powersystem works on a very basic principle from which a number of adaptations are possible. Mainly we store the excess potential 12 volt energy produced by your car's alternator to power your home when needed.

- You can use an auxiliary battery in your car or in your home. Or, we can show you how to use an AC generator to power larger appliances, such as a washing machine, and fully charge batteries at the same time. You could store enough power to operate your home for a week or more. That can save you 50% to 80% in fuel and maintenance costs for your generator while reducing noise pollution.

HOW MANY THINGS ARE MADE FOR MY 12 VOLT HOME?

Televisions, black & white & color • stereo, tape and radio systems • fluorescent, incandescent, high intensity, portable, indoor & outdoor lighting • vacuum cleaners • coffee percolators • irons • vent fans motors adaptable to sewing machines • CB equipment radio-telephones • electric razor converters • digital clocks • air compressors • water pumps • alarms for propane gas leaks, smoke and burglary • 3-way refrigeration, (LP gas, AC and 12 volt) • electronic calculators video computers and games • power inverters for stepping 12 volts DC up to 117 volts AC.

WHERE TO FIND THEM...*How much they cost... everything you need to know is included in this amazing book.* Enclose $10.95 (for California residents $11.61 including tax) for your two-book how-to-do-it kit by completing the coupon and send it off today to THE WILDERNESS HOME PUBLISHING COMPANY, INC., P.O. Box 927 (44325 Highway 101, North) Laytonville, California, 95454.

ALLOW 4 TO 6 WEEKS DELIVERY.

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Our systems design and engineering consultant is Developmental Sciences, Inc. of City of Industry, California, manufacturers of the energy saving electronic PHANTOM™ tube.

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It's worth *the long walk to disappear for a moment in warm, metal-smelling steam*

Toronto to the Falls . . . by steam

Niagara Falls is a sentimental journey for many visitors. It's doubly so for those who get there by steam train. At 10 A.M. sharp every Wednesday and Saturday from July 1 to August 30, *Bullet-Nosed Betty* steams out of Toronto's Union Station, hauling up to 16 cars on the 4-hour chug to the Falls.

You can take a 2-hour break to explore the falls on your own, or opt for a $5 per person bus tour. The train returns to Toronto around 7:30 P.M. The cars are modern and air conditioned, and snacks are sold en route.

Round-trip fare is $16 for adults, $8 for children 5 through 11, free for younger children. It's wise to reserve space for this popular excursion; write to VIA Rail Canada, Union Station, 60 Front Street W., Toronto, Canada, or call (416) 367-4300.

Allow some time to look around Union Station. It was built in an era when costs weren't calculated in usable square feet and a city took pride in the awesome scale of its train station. □

Trailing *a black plume of smoke, old 6060, one of Canada's last steam locomotives, roars past crossing near Hamilton*

The five Hawaiis of United.

United can help you create the Hawaii that's just right for you. We've got vacation packages and options galore. And we've got Royal Hawaiian Service to get you there in fine Polynesian style with Mai Tais and flowers and great dining. So read on, but remember, the vacations described are only a few of many and do not include air fare. Prices range according to choice of hotel and other ground arrangements and are subject to change.

Hawaii: As You Like It.

Here's real flexibility to give you the islands and hotels just to your liking. Start with "Discover Waikiki," for example; it's 3 nights close to great dining, sightseeing and entertainment. And for a base price of $55.50 per person/2 to a room (10% tax and service not included) you get a lei greeting and hotel transfers. Your choice of a special tour or show is also included. (ITUAA-AHIA3.) But that's just for starters, because other islands and extra nights are easy to add on. And don't forget to ask about our neat Kitchen and Car trips.

Hawaii: Lifestyle.

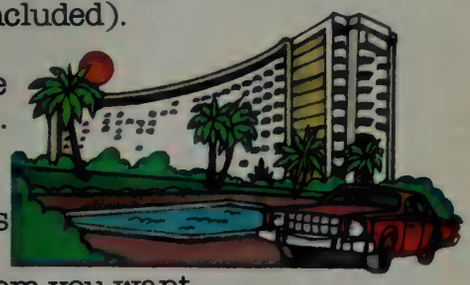
For complete, ready-to-go vacations, a Lifestyle package could be just your thing. With "Waikiki – Do Your Own Thing" you can enjoy 6 nights at a remarkably low $83 (10% tax and service not included) per person/2 to a room. Also included are Outrigger Hotel Cabaret Show, Honolulu and Punchbowl Crater Tour, Countdown Discount Card and more. (ITUAF-TWTA6.) Or opt for our "Oahu Plus Neighbor Island U-Drive," starting at $170 per person/2 to a room and 7 days' unlimited mileage car rental. (ITUAF-TWTNO7.)

Hawaii: One-O.

For multi-island trips, you can't beat the 3- and 4-island plans. "Hawaii Three-O" is 4 nights Waikiki, 2 nights Kauai, 3 nights Maui, with special tours on each island, lei greeting, Countdown Discount Card, transfers, briefing party – all from $234 complete, per person/2 to a room. (ITUAG-HHIC9.)

Hawaii: Privacy in Paradise.

Consider a condominium vacation at one of 27 condominium resorts on any of 5 islands. Great for a couple or a family. Prices range from $34.50 to $168 per person/2 to a unit, for 3 nights (5% tax and service not included). Rental car with unlimited mileage is easily available. Daily maid service and fully equipped kitchens give you even more of the freedom you want. (ITUAH-CREA3.)



Hawaii Complete: Fly/Drive.

There's no better way to build your own fun than with a footloose Fly/Drive plan. In "Maui – House of the Sun" you get 2 nights at your choice of accommodations and 2 days' use of a car with unlimited mileage. Prices range from $39 to $82 (4% tax not included) per person/2 to a unit. It's a great bargain. (ITUAC-RHTC2.)

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Pick the one that's right for you.

Please send me the free brochure I've checked:

- ☐ As You Like It
- ☐ Lifestyle
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- ☐ Privacy in Paradise
- ☐ Complete: Fly/Drive

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UNITED AIRLINES

Air fare not included; prices subject to change.

SUSAN BIDDLE

Young tourists *thump along the wooden sidewalks of South Park City*

General store, *with false front, was brought from Dudley to start the reconstructed Colorado mining town*

A 2-hour walk through the Colorado past . . . near Fairplay

A cool Rocky Mountain breeze blows through the streets, along the wooden sidewalks, and past the strange collection of split-log, mortared stone, and false front buildings called South Park City. Here, near Fairplay, Colorado, 85 miles southwest of Denver, the remnants of many abandoned towns have come to rest. For ghost town lovers they are worth a side trip.

Steam engine *of narrow-gauge Denver South Park & Pacific Railroad is parked just outside South Park City*

The buildings are the orphans of short-lived cities—the bank from Alma, the brewery from Fairplay, and the old stagecoach inn from Mosquito Pass. All are authentic—saved from destruction, most of them brought directly from their original sites to make up this outdoor museum representing an old time Colorado mining town.

On most structures, restoration has been kept to the necessary minimum. The buildings still show the peeling paint and sagging timbers that they have acquired over the years. Displayed inside are the Victorian furniture and wood and iron tools you would have found in such buildings in their heyday.

The nonprofit foundation that inaugurated South Park City 20 years ago has expanded its collection from 4 to more than 30 buildings—and some 40,000 individual artifacts. A new exhibit this year in one of the first buildings acquired, the brewery, surveys local history, geology, Indian settlements, and mining; it includes a short slide show.

You can walk through the town on a self-guided tour in about 2 hours. At about 10,000-foot elevation, South Park City is at its warmest now. Days usually average about 70° F., but you may need a sweater (or an umbrella for sudden afternoon thundershowers).

They can't crack *the safe at the Bank of Alma—but the bank went bust long ago*

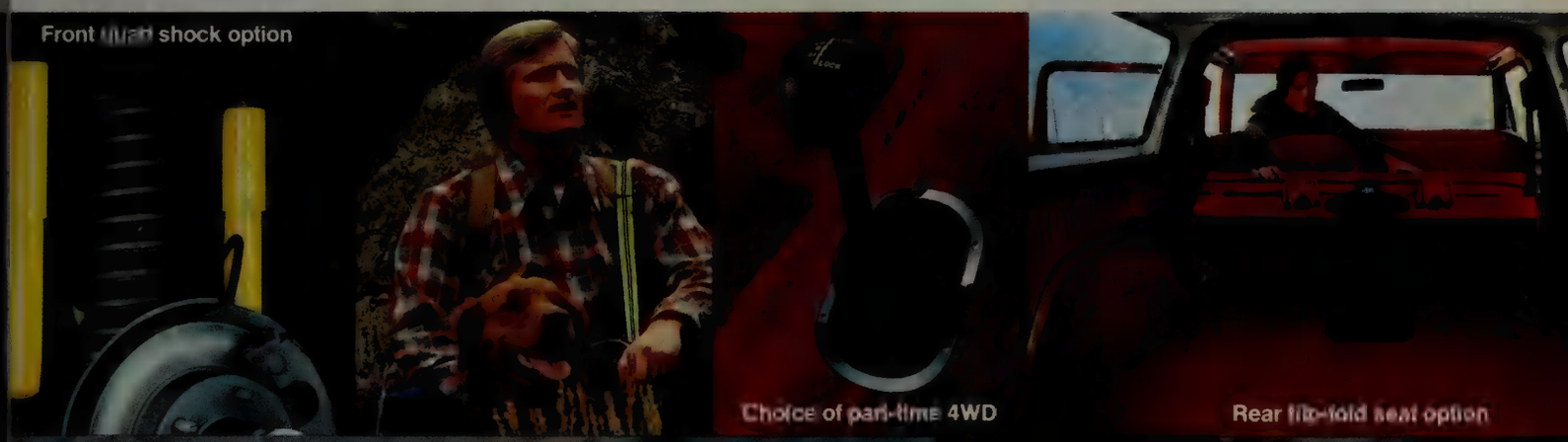
May 15 to October 15, the town is open daily from 9 to 7; admission (with proceeds going toward maintenance and further acquisitions) is $2 for adults, 50 cents for children under 12, free for those under 5.

South Park City is at the junction of State Highway 9 and U.S. Highway 285 at Fairplay. Food, lodging, and campsites are available in Fairplay. □

THE '78 FORD BRONCO.

COMPARE IT TO ANY 4-WHEELER, ANYWHERE.

The first 4-wheeler that puts it all together. Introducing Ford's all-new Bronco with... 1. Big cube 5.8L (351) V-8 standard... 2. Choice of part-time 4 WD with optional automatic... 3. Rear foot-well for seating comfort... 4. Rear flip-fold seat option for usable cargo space... 5. Four-speed transmission... 6. Front quad shock option... 7. Free Wheeling package option... 8. Off-road handling package option... 9. Privacy™ Glass option... 10. Choice of bucket or optional front bench seats... 11. Front stabilizer bar. Bronco: Winner of the Four Wheeler Of The Year award from Four Wheeler magazine, October 1977.



Built Ford Tough

FORD
FORD DIVISION

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75th ANNIVERSARY

COMPARE!

Coleman® Poly-Lites®: Feature for feature, dollar for dollar... the best values under the sun.

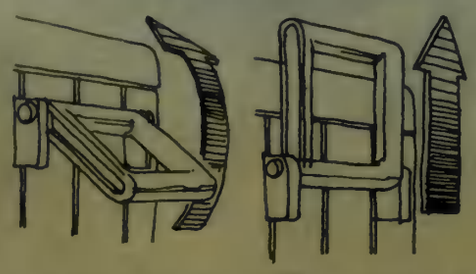
These are the ones that proved just how tough "plastic" coolers and jugs can be. How efficient in holding the cold. How good-looking. Yet when it comes to price, all that separates 'em from the herd is a buck or so. Maybe even less.

So take a close look at a Coleman Poly-Lite, like our 12-gallon model shown here.

Start with the most basic point. All Coleman coolers and jugs are insulated with urethane, the best material available. And lots of it. So they *hold* the cold.

Next, think *tough*. That high-density polyethelene hide shrugs off all the rocks and hard places. Keeps its bright color in the sun. Won't rust or corrode, even in salt water.

You'll also find special touches. Like handles that are smooth and round, won't pinch. They swing



out for carrying, like on most coolers. But they also lift straight up for tight places, like a car trunk.

The snap latch is fumble proof, *inside* the lid where it can't break off. Close the lid firmly for traveling. Softly, and you get the "quick-seal" position so you can open it easily with one hand.

And something new available as an accessory: the Cool-a-tray. Fill it with water, freeze it—and it provides extra cooling power for meat, cheese, other perishables.

Poly-Lite coolers and jugs. Sizes, styles, colors for anyone. And the price is right.

Remember: Coleman equipment can come in handy in storms, blizzards and power losses too.

The great outdoors is too good to miss.

Coleman®

The Coleman Company, Inc. • Wichita, Kansas

NORMAN A. PLATE

You can join *backstage theater tours daily except Sunday, now into fall*

An Ashland visit . . . easier this year

Theater-lovers attending this season's Oregon Shakespeare Festival in Ashland (June 10 through September 24) will find some changes that should make their stay more convenient and interesting, and perhaps less expensive. And there's more than ever to see and do.

More rooms, new guides. Good news for festival-goers who remember "no vacancy" signs in recent years is the construction of two new motels and the mid-July reopening of the restored 1925 Mark Antony Hotel, with a rooftop garden overlooking the outdoor stage.

A few rooms will be available in private homes for $13 to $24 a night, double occupancy. Write or call the Chamber of Commerce Information Center, 110 E. Main St., Ashland 97520; (503) 482-4315. It's open 9 to 5 weekdays only. That office can also supply free lists of motels, campgrounds, and restaurants, and the new *Visitor's Guide to the City of Ashland* ($1.50).

For a new free guide to Ashland area campgrounds, stop by the Parks and Recreation office, 59 Winburn Way, Ashland 97520, any weekday 8:30 to noon and 1 to 5.

Picnicking in Lithia Park. Attractive 100-acre Lithia Park, behind the Elizabethan Stage off Winburn Way, is convenient for picnics. There's also an imaginative playground in the lower park and wading steps along the creek, a 2-mile jogging trail, tennis and shuffleboard courts, and horseshoe pits.

For picnic supplies, *The Cheshire Cat,* 10 Guanajuato Way, facing Ashland Creek just below the park, features 125 kinds of cheeses. *Brother's,* 95 N. Main, a kosher deli, sells salads and hot sandwiches to go and serves inexpensive omelets and other dishes. *Underground Gourmet Delicatessen,* in the basement at 125 E. Main, offers meats, cheeses, salads, and homemade desserts, and will cater picnics in the park; its restaurant serves meals from 7 A.M. to 8 P.M. *Lithia Grocery,* 47 N. Main, sells vegetarian and seafood specialties to go from 7 A.M. to 9 P.M. and serves some meals.

Monday through Saturday during the festival, midmorning and midafternoon, you can join free 1 to 2-hour naturalist-led walks in Upper Lithia Park, which is preserved as a natural area.

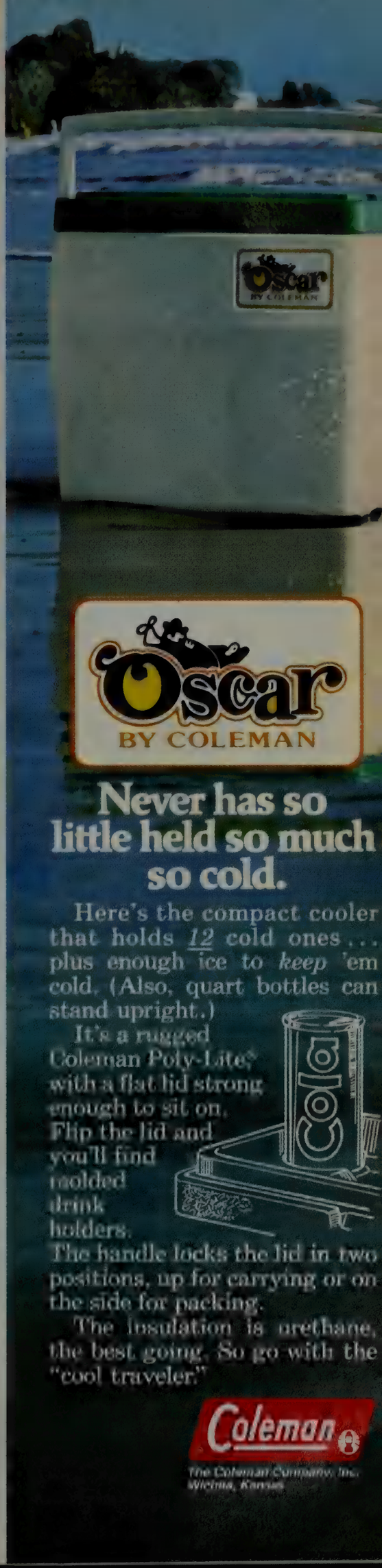
Free "brown bag talks" (theater technicians, actors, and directors discussing their craft) are scheduled Tuesday and Thursday at noon by the lower duck pond in Lithia Park.

A summer of special events. Through the first week of August, band concerts are scheduled every Thursday evening at 7:30 at Lithia's band shell.

During the first three weeks of August, Children's Wagon Theater will perform by the playground in the park Wednesday through Sunday at 1 and 4.

Outdoor films and concerts are planned for July and August evenings; for the schedule, ask at the Parks office.

Bike routes, walking tours. Bicyclists might try the ¾-mile route that begins at the town plaza off Main Street and follows Winburn Way alongside Lithia Park. For a ramble into the country,



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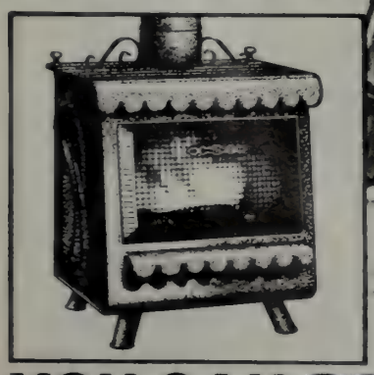

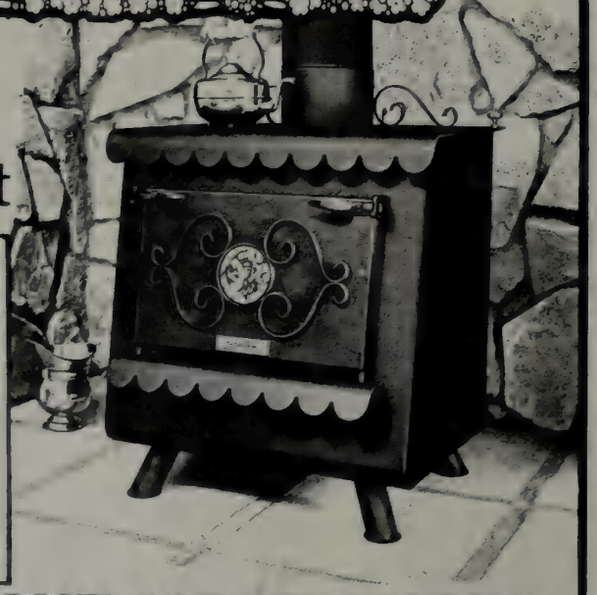

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take the new bike paths (starting just south of the plaza) along Siskiyou Boulevard and Ashland Avenue to State 66, then southeast to Emigrant Lake County Park 5 miles from town.

For bike rentals and other trip suggestions, stop by Ashland Cycle Sport, 40 N. Main; (503) 488-0581. Three-speeds rent for $1.25 an hour, $5.50 a day.

For walkers, a tour map of Ashland's 19th-century buildings is available (25 cents) at the Chamber of Commerce.

Before and after the show. Check with the box office in the theater center courtyard, 15 S. Pioneer Avenue, for activities in and around the three theaters that open onto the court. Backstage tours, for example, are offered daily except Sunday at 10 A.M.: $2 for adults, $1 for young children. To reserve, call (503) 482-4331.

Artwork, photographs, and costume dolls are displayed in the lobby of the Angus Bowmer Theatre daily from 10 to 2; free. Come early (by 7:15 P.M.) for free Renaissance music and dance in the theater center courtyard.

The Festival Design/Exhibit Center next to the box office (new this season) displays paraphernalia reflecting more than 40 years of festival history. It's open daily 10 to 3, Sunday noon to 3.

Across Pioneer Avenue from the courtyard, Carpenter Hall hosts lectures, readings, and discussions by visiting scholars and theater people every Monday and Friday noon. Admission is $1. Renaissance music concerts are also informally scheduled at Carpenter most Saturdays at noon from July 1 through Labor Day. Admission is $1.

The Owl Coffee House, 31 Water Street, is a good place for after-theater entertainment—folk music, poetry, political talks—Tuesday through Saturday, 7 to midnight. *Jazmin's,* 180 C Street, offers jazz nightly until 2:30 A.M. Meals and cocktails are served from 11 A.M. A short walk from the theaters is *Vintage Inn,* 5 Granite Street, with folk, jazz, and pop singers daily, noon to 2 A.M.

This year's main attractions. *Taming of the Shrew, Richard III,* and *The Tempest* are rotating at the outdoor Elizabethan stage. *Tartuffe, Timon of Athens,* and *Mother Courage and her Children* are playing at the Angus Bowmer Theater. Beginning August 3, *Miss Julie* will join the Bowmer schedule. Two more plays—*Man-in-the-Moon Marigolds* (beginning July 1) and *Night of the Tribadies* (July 22)—are scheduled at the Black Swan Theater.

All plays continue through September 24 with show times at either 2 or 8:45 P.M. Tickets range from $3.50 to $7.50, half price for children 11 and under; for reservations, write to Shakespeare, Ashland, Ore. 97520. □

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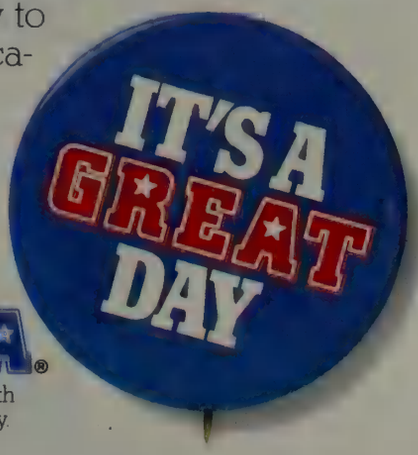

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Boater's gear bags . . . the importance of watertightness

When put to the test, a boater's gear bag is only as waterproof as its seal. If you're choosing luggage for a waterborne excursion this summer, you have many choices, as indicated on page 88. One of the most important considerations is how it closes.

Pictured below are four kinds of closure available on soft bags. If properly fastened, all are watertight when subjected to a dunking (but not necessarily to sustained immersion).

Before buying, think about how you'll be using the bag: Do you want a quick-to-open mechanism so you can get at a camera or binoculars fast? Or would the bag be opened only in the morning and at night to pack and unpack tent, sleeping bag, and less-often-used gear? Also, check the closure mechanism to be sure all parts are rust-resistant.

If the top opening will be rolled or gathered, heed warnings not to fill the bag more than two-thirds or three-quarters full—you'll have more material to work with. After you fill your bag, try to press out all the air to reduce pressure on the closure from inside. □

GLENN CHRISTIANSEN

Hook-and-loop

Hook-and-loop fasteners (Velcro) are used to close small gear bags (under 2 feet square). On this clear vinyl bag, the top opening is folded down tightly three times so strips align and can be pressed together

Rod and tube

Hard polyethylene rod and tube secure doubled-over top of bag. To slide tube onto bag more easily, lubricate it with water or oil (mineral, suntan, cooking). This closure is found on bags up to 5 feet long

Turnbuckles

Rustproof, nickel-coated brass turnbuckles are spaced along reinforced strips of double-walled vinyl bag. Top of bag must be rolled down tightly so buckles align with locks. Then bag is inflated to protect fragile equipment

Cleat and line

Strung through a tough plastic cleat, nylon line secures the tightly gathered and folded top of this heavy-duty nylon bag. Lighter nylon fabric is used at neck, making it easy to gather and wrap with double line. Cleat locks line in place

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January 27, 1978: Ford engineers conclude a series of scientific ride comparison tests between a $22,000 Mercedes Benz 280SE, and a Ford Granada Ghia.

A FORD GRANADA GHIA. HOW DID IT COMPARE IN SMOOTHNESS AND QUIETNESS OF RIDE WITH A $22,000 MERCEDES BENZ?

1. Luxury Interior 2. Data Analyzer 3. Decibel Sound Meter 4. Granada Ghia 2-Door

TEST A: SMOOTHNESS
To test for "riding smoothness," Ford engineers drove a Mercedes and a Granada over various road surfaces and at different speeds. Using a sensitive electronic recorder, they measured vibration levels.

TEST RESULTS:
Analysis of the data showed that in 3 out of 4 of the test conditions, "both cars rode with virtually the same level of smoothness."

TEST B: QUIETNESS
To evaluate for "riding quietness" both cars were again driven over a variety of road surfaces and at different speeds. A sound level meter recorded their interior sound levels on the dB (A) scale.

TEST RESULTS:
Analysis of the data showed that the Granada rode almost as quietly as the Mercedes. Average of all tests: Granada only one decibel higher.

CONCLUSION:
This Ford Granada Ghia rode with a level of smoothness and quietness close to a $22,000 Mercedes. Ford Granada—classic styling and riding comfort at a Granada Ghia price.

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75TH ANNIVERSARY

RICHARD A. DUNING

Fanciful tree *is part of Romano Gabriel's "sculpture garden" on display*

Sculpture garden in Eureka

When Romano Gabriel died in 1976, he left behind a house in Eureka dwarfed by an incredible "sculpture garden" of wooden trees, animals, and people.

Gabriel came to this country from Italy in 1913, and after World War I moved to the northern California coast. For 30 years, while working as a carpenter and gardener in Eureka, he salvaged pieces of wood, mostly the ends of fruit boxes, from which he cut and painted each figure. Many of his people are peasants in colorful costumes, dancing or playing music. Some of the animal figures are on small carousels, some of his trees move in the wind. Everywhere you sense a joy in living.

You can see his sculpture garden daily through August 14 at the Humboldt Cultural Center, 422 First Street, in the Old Town area of Eureka. Hours are noon to 5 P.M.; admission for this show is $1 for adults, 50 cents for children under 12. If a suitable site can be found, the collection will be given to the city for permanent display. □

Bold, *simple details enliven Gabriel's complex creations*

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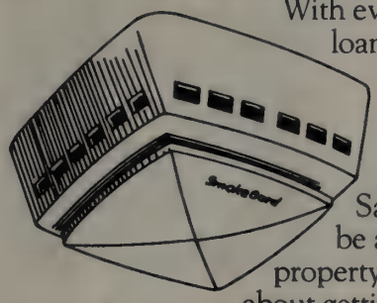

With every property improvement loan made before July 31, 1978, we're offering a free smoke alarm—the highly rated early warning SmokeGard.® At Glendale Federal Savings, we think you should be as careful about financing property improvements as you are about getting bids on the work itself. So take a minute to call one of our consumer loan specialists. He can tell you what your options are and help you determine what the true cost of your loan should be.

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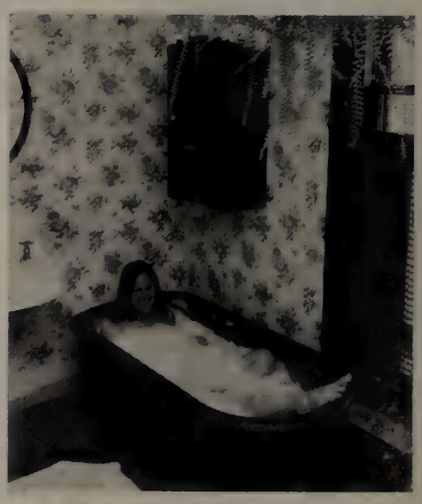
Young twosome *take a rowing tour of lively boat harbor at ivy-draped Hotel de Haro, once a Hudson's Bay Company trading post*

LARRY BULLIS

The friendly inns of the Northwest's inland sea

From Puget Sound through the San Juans to Canada's Gulf Islands



Tin tub, *flowery wallpaper, and other period furnishings are typical of many old Victorians*

Diverse as the inland sea they border, a score of inns lie scattered along island and mainland shores from Puget Sound through the San Juans to Canada's Gulf Islands. For travelers weary of motel sameness, they offer not just lodging but an experience—one that involves the sea, even if it's no more than enjoying a ferry ride and the view from your room, or watching the parade of passing ferries, sailboats, and fishing vessels from a chair on the veranda.

At many you can also arrange sailing or fishing charters, rent a rowboat or skiff, harvest shellfish from the beach, or go swimming. Some double as marinas.

Others will rent you a bike, make sightseeing arrangements, or suggest outings. Such helpfulness is typical of inns, which are usually informal, leisurely, and personal (especially the smaller ones). Many are family owned, and a visible innkeeper is almost always on hand, assisting with baggage, supervising dinner, offering directions. For some owners, it's a hobby, a way of life rather than a business. A few can be downright fussy about guests—you may even feel as if you're auditioning for a room.

When you telephone or write to reserve, you may find some of these inns are booked for the time slot you want. If so, keep them in mind for a possible September or early October getaway, or for next year's vacation.

Meals. Most inns serve meals (breakfast at least), and may prepare some or all dishes from scratch. The home cooking can be simple and plain, but some have first-class restaurants, worth visiting just for dinner if you can't schedule an overnight stop. Not surprisingly, fresh local seafood is a mainstay at several inns. Some will cook to order your catch of salmon or shellfish. A few boast elaborate bars; others can barely manage a wine-list.

Entertainment is usually missing, as are TV and telephones (part of the restful atmosphere). But some places occasionally invite in singers or organize a dance.

Buildings with a past. Most of the region's inns are genuinely elderly—several officially historic—and that's the

Large black dots *locate the inland sea inns; dotted lines show basic ferry runs*

DON NORMARK

An inn tradition: *guests read, relax, study the antiques, and get acquainted around the parlor fireplace*

You can arrive *by boat at several seaside inns; this is the log-built Captain Whidbey, an inn since 1907*

In true *guest-house fashion, homemade breakfast is served family-style at some inns*

Restored *1888 house is now the handsome Quimper Inn*

heart of the experience for many visitors. Accept with a smile the sometimes creaky floorboards, eccentric plumbing and down-the-hall bath, short beds and cramped rooms. It's more important that you can still enjoy a building with a story to tell.

Several led colorful former lives as seaside estates of the wealthy, as Victorian homes or offices, or stylish turn-of-the-century hotels. One was a monastery, another briefly a bordello. Most have at least some period furnishings.

Architecture ranges from national-parks-style lodges fashioned from huge timbers to unpretentious frame houses, rambling cottages, brick and stone Victorian landmarks, and Tudor-style half-timbers. Even newer buildings accomplish a rough-hewn rusticity that makes them seem older and unhurried.

One common element is a sitting room, usually with a fireplace and shelves full of old books, where guests can relax or get acquainted. With bedrooms often small and public rooms inviting, socializing becomes a vital part of your experience; few visitors retreat to their rooms for lengthy periods.

But if solitude is important, some places also offer separate cabins or beach cottages, usually roomier and more expensive than the inn bedrooms, and often with cooking facilities. And there's usually a lonely beach to explore, woods to roam, or an old-fashioned garden to

LARRY BULLIS

Reminiscent *of New England, the Nantucket Inn in Anacortes offers views, a pleasant garden, and antiques*

peruse. Some owners are so keen on ensuring quiet surroundings that children are not welcome.

Ferries. All these inns can be worked easily into a car/ferry itinerary that could take you from seaport villages like LaConner and Coupeville to historic Port Townsend or through the San Juans and on to secluded retreats in Canada.

If you want to stop at several inns, try to leave enough slack in your schedule to allow for a missed or late-arriving ferry, or line-ups that force you to take a later boat. If possible, avoid the main routes through the San Juans and Gulf Islands and from the mainland to Vancouver Island on sunny summer weekends; they're invariably crowded and advance reservations are not available.

Fares have risen sharply in the last five years. For car, driver, and two passengers it's $22 one way to Victoria from Anacortes, with comparable fares through the Gulf Islands.

One way to dodge the increasing costs and crowds of ferry travel is to go by bike. There's always room, and fares are far lower. A trip through the San Juans or Gulf Islands, even to Victoria, can be accomplished without a car, using the inns we list. For ferry information, write to Tourism British Columbia, 1117 Wharf St., Victoria, B.C., and Travel Development Division, G.A. Building, G-3, Olympia 98504.

The inns. They're open year-round unless noted otherwise. Rates are for inn rooms only, for two people.

In Coupeville, LaConner, Anacortes

Captain Whidbey Inn, Route 1, Box 32, Coupeville 98239; (206) 678-4097; 9 rooms plus cottages, $20 up. Dock, beach, history; 1½ hours northwest of Seattle; 3 miles west of Coupeville off Madrona Way on Whidbey Island (take Mukilteo ferry).

LaConner Country Inn, Old Town, LaConner 98257; (206) 466-3101; 20 rooms with bath, $29 up. New building with rustic touches in colorful Skagit Valley town, 1½ hours northwest of Seattle via I-5 and State 20. At Second and Morris streets, 1 block from lively waterfront and summer tour boat rides. Bike rentals. Complimentary continental breakfast; lunch and dinner at inn's small but superior Black Swan restaurant.

Nantucket Inn, 3402 Commercial Ave., Anacortes 98221; (206) 293-6007; April-November; 7 rooms (some with bath), $13 up. No meals and not on the water, but rooms and parlor are a trove of Victorian antiques. Very quiet; 10-minute drive to waterfront parks and Anacortes ferry. About 2 hours from Seattle, on State 20 beyond LaConner turnoff.

Three in Port Townsend

James House, 1238 Washington St., Port Townsend 98368; (206) 385-1238; 12 spacious rooms (some with bath, fireplace), $28 up (includes continental breakfast). No children under 12. Not on the water, but this quiet, elegantly restored 1889 home is within walking of a score of other restored Victorians, historic downtown, good restaurants, lively waterfront, ferry to Whidbey Island. Two hours from Seattle via Winslow ferry.

Palace Hotel, 1004 Water St., Port Townsend 98368; (206) 385-0773; 7 rooms (5 with kitchen and bath), $26 up; no meals. Some of the decorating clashes with the Victorian elegance of this 1889 hotel. But rooms are spacious (14-foot ceilings), often with views. In the heart of town, near waterfront and ferry dock.

Quimper Inn, 1306 Franklin St., Port Townsend 98368; (206) 385-1086; 6 cheery rooms (some with bath), $25 (including continental breakfast). No children under 5; no smoking. Another tasteful and spotless renovation, this 1888 home isn't on the water, but is within walking of all Port Townsend attractions.

In the San Juan Islands

Betty's Place, Box 86, Lopez, Lopez Island 98261; (206) 468-2470; two rooms; $30 per couple price includes breakfast and dinner. No children. Small, half-century-old "mom and pop" farmhouse is good base for bikers exploring Lopez Island. Two miles south of landing on Ferry Road.

Outlook Inn, Box 210, Eastsound, Orcas Island 98245; (206) 376-2581; 19 rooms, $16 up. Simple, clean rooms in 1883 inn 8½ miles north of ferry terminal at Eastsound, perfect for bikers. Can arrange sailing and fishing charters and boat rentals; small beach to enjoy; restaurant has earned good local reputation.

San Juan Hotel, Box 1125, Friday Harbor, San Juan Island 98250; (206) 378-2070; 9 rooms, $22. No meals or sitting room; no children under 3. One block from ferry landing, clean and cheerful inn—built 1873, renovated four years ago—will remind you of a Swiss guest house. Popular with cyclists.

Hotel de Haro, Roche Harbor, San Juan Island 98250; (206) 378-2155; 20 rooms, $21.50 up; also 9 cottages, a few condominiums. Tennis, pool; marina with skiffs, sailboats to rent. Ivy-covered 1886 hotel sags and creaks—yet its splendid gardens, jolly boat harbor, and historic out-buildings (including a renovated restaurant) have made it a long-time favorite. About 10 miles from ferry landing via Roche Harbor Rd.

Two in Victoria, B.C.

Old England Inn, 429 Lampson St.; (604) 388-4353; 52 rooms with bath, $28 up. Famous 1909 manor house is treasury of Elizabethan antiques; lovely gardens, restaurant with authentic English food; one block from beach; can arrange fishing charters, marina and boat rentals nearby. Ten minutes from downtown.

Oak Bay Beach Hotel, 1175 Beach Drive; (604) 598-4556; 49 rooms with bath, $29 up. Handsome half-timbered hotel features pleasant gardens, English cooking and daily high tea; golf, beach walking, boat moorage and rentals ½ block away. Ten minutes from downtown.

Elsewhere on Vancouver Island

Sooke Harbor House, 1528 Whiffen Spit Road, Sooke, B.C.; (604) 642-3421. March-December; 5 simple, clean rooms, $18 up. No children under 10. Unpretentious old house with superior French and Indo-Pakistani cooking, long rocky spit for walking. Dinner reservations required; restaurant closed Mondays and Tuesdays. An hour's drive from Victoria.

Wilcuma Lodge, R.R. 2, Cobble Hill, B.C.; (604) 748-8737; 6 inn rooms (all have baths, some have fireplaces), $24 up; 10 cottages with kitchens. Attractive 1902 Tudor-style beach lodge set off by gardens, acres of woods to roam. Pool, fishing charters. About 32 miles north of Victoria.

Yellow Point Lodge, R.R. 3, Ladysmith, B.C.; (604) 245-7422. Mid-March through October; 11 rooms (some with baths), $42 up (includes all meals), plus 24 cabin units. No children under 15. Log lodge on glorious seashore site 75 miles north of Victoria. Pool, tennis, hiking trails; boat moorage, boats and bikes to borrow.

Inn of the Sea, R.R. 3, Ladysmith, B.C.; (604) 245-4257; 9 rooms, $20 up; 4 cabins. Next door to Yellow Point Lodge, 15-year-old inn has won a recent reputation for superb food. Pool, boat rentals, moorage.

Canada's Gulf Islands

Rita's Inn, Box 272, Ganges, Saltspring Island, B.C.; (604) 537-5338; 7 rooms, $18 up. Plain but neat rooms above restaurant; no sitting room. One block from lively harbor, boat moorage and rentals.

Pender Lodge, R.R. 1, Port Washington, Pender Island, B.C.; (604) 629-3221; 9 inn rooms (some with baths), $17 up; 4 cottages. Pleasant 1924, two-story house with neat rooms in a spectacular setting; gardens, pool, tennis, close to marina. Only the separate bunker-like restaurant and pub seem uninviting. Just ⅓ mile from ferry landing. Check ahead; it's up for sale.

Springwater Lodge, Box 39, Mayne Island, B.C.; (604) 539-5521; 8 simple rooms, $18. This 1870s two-story house is being renovated by new owners. Superb setting; fishing and sailing charters, live entertainment. Party atmosphere; not for peace-and-quiet seekers. Two miles from landing.

Mayne Inn, Mayne Island, B.C.; (604) 539-2632; 12 rooms, $20. Renovated 1912 inn has a lively bar, occasional disco entertainment; rental boats, fishing tackle. Six miles from landing.

Surf Lodge, R.R. 1, Gabriola Island, B.C.; (604) 247-9231; 11 inn rooms with bath, $26 up; 10 rustic cabins. No children under 4. Appealing log lodge with 60-year-old stone fireplace offers forest and beach walks, rental boats and tackle, fishing and sailing charters. Lively bar, occasional dances. Reached by ferry from downtown Nanaimo. Follow signs from landing. □

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Calvin Klein has designed "Checkered Rose" just for the occasion.
Crisp tattersall combined with a touch of femininity make this the freshest look for a bed today.
The feeling is rich. Because these sheets are a soft no-iron blend of cotton and Fortrel® polyester.
nd the quality is distinctly Wamsutta. But then it's to be expected. Over 130 years of crafting bed linens has taught us a thing or two.
Besides, we're involved in one third of your life.
We want it to be sensational

Wamsutta®

Div. M. Lowenstein & Sons, 111 West 40th St., N.Y.

Mercedes-Benz unveils a new kind of performance automobile: the 300 SD Turbodiesel Sedan

Its turbocharged engine boosts power and torque and transforms Diesel performance, yet fuel appetite is actually cut. And this advance is matched by the car itself – the most capable, most sumptuous Diesel in Mercedes-Benz history. The 300 SD Turbodiesel Sedan: the boldest forward stride since Mercedes-Benz built the world's first production Diesel automobile 42 years ago.

Moving with the smooth ease and eager response you might expect only from a gasoline engine the new Mercedes-Benz 300 SD Turbodiesel Sedan responds vividly to your throttle foot even at low speeds...even in highway passing ...even on long uphill climbs.

Meanwhile, the Turbodiesel retains that workhorse efficiency you can only expect from a Diesel – sipping the cheapest automotive fuel sold in America, devoid of spark plugs and carburetors and points, all but immune to conventional tune-ups.

In a single technical masterstroke, the most desirable traits of a gasoline and a Diesel engine have been blended into one. An advance significant enough to make this not just a new kind of Diesel but a unique new kind of car.

Five supercharged cylinders

That masterstroke is turbocharging of the 300 SD's five-cylinder engine

Named after the turbine principle it follows, a turbocharger harnesses the engine's own exhaust gases to radically increase the supply of air fed into the cylinders – literally *supercharging* them with air for more volatile combustion.

Turbochargers have appeared on many types of engines, but never until now on the engine of a Diesel automobile. The effect is amazing. Maximum power is boosted by 43 percent, for example, and maximum torque by 46 percent.

And the driving experience

makes even those numbers pale. That old Diesel stigma of feeble torque and leisurely pickup has vanished in a burst of turbocharged energy. This is one Diesel that can break away from stoplights and tollbooths *with* the traffic, not behind it. That extra thrust you need on freeway entrance ramps can be found. You can sustain a normal driving pace on the Interstates, hour after hour.

Mercedes-Benz test data show that although 400 pounds heavier than its lively 300 D Sedan stablemate, the Turbodiesel can zip from zero to 55 mph in 2.6 seconds *less* time – placing it among the quickest Diesel cars in history.

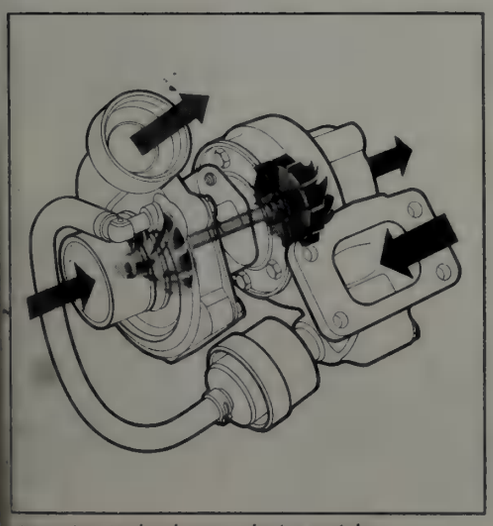
No minor feat for an engine of only three liters or 183.0 cubic inches in capacity; yet no great surprise for an engine so efficient that it produces *.601 horsepower* per cubic inch of displacement – the best ratio of power to engine size of any Diesel passenger car power plant in the world.

Fuel appetite down

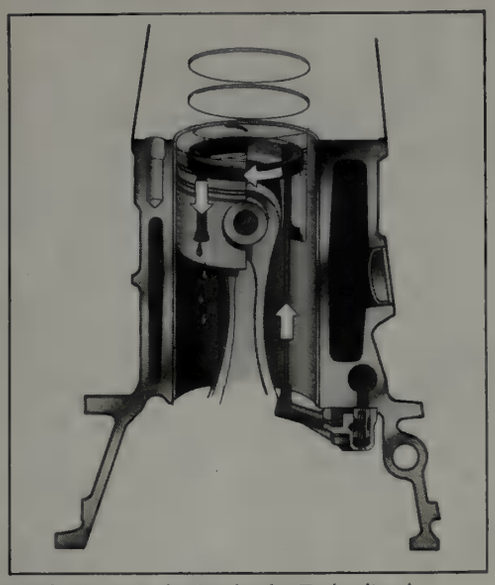
Startling as it may seem, this extra performance helped reduce the Turbodiesel engine's normal appetite for fuel.

Turbocharging so handily solved the Diesel need for power that it freed the engineers to specify a more economical rear-axle ratio – in effect, gearing the car to go further on the power produced by a given gallon of fuel.

Consider the Turbodiesel's performance. Then consider that EPA



Amazing turbocharger device weighs only 17 pounds but boosts horsepower by 43 percent.



Each piston in the 5-cylinder Turbodiesel engine is cooled by a fine spray of oil injected from below.

estimates show 29 mpg in highway driving and 24 mpg in the city. Naturally, your mileage will depend on the condition and equipment of your car and on where and how you drive.

Record-breaking reliability

This breakthrough has hardly been rushed to the market. Mercedes-Benz placed the 300 SD Turbodiesel engine in production only after 5 years of testing – and only after placing it in the reliability record books.

Fitted with a modified version of this engine, a C-111-3 research car went out on April 30, 1978 and set nine world records – including one stint of 2,345 miles in twelve hours at an average speed of 195.39 mph. For the entire record run, the engineers report a fuel mileage figure of 14.7 mpg.

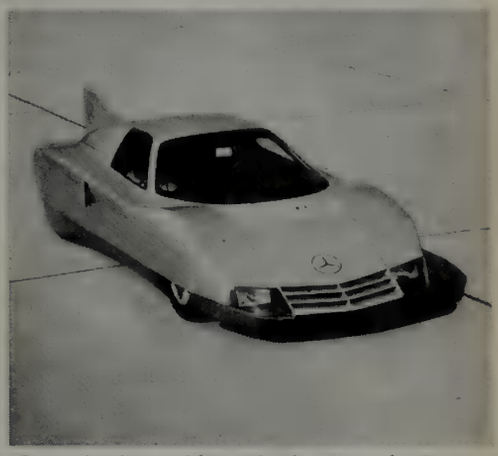
A car apart

The Diesel turbocharging trail blazed by Mercedes-Benz with the Turbodiesel may some day be followed by others. But no Diesel engine will ever share the privilege of propelling a comparable car. It is the unique combination of that engine and this automobile that truly sets the Turbodiesel apart.

As befits the most elegant Diesel Mercedes-Benz has ever built, the Turbodiesel sits on the longest wheelbase of any Diesel car produced by the company in modern times. Yet its turning circle is a tight 38 feet and its crisp handling lets you nip through traffic.

Fastidious engineering is everywhere. You glide along on a suspension that is neither spongy nor harsh, but designed to provide both ride comfort *and* roadholding. The key is the independent suspension of all four wheels, allowing each wheel to individually react to the road surface.

Each shock absorber is gas pressurized to help cushion even minor ripples. The automatic transmission provides not three but four speeds, and the option of shifting for yourself if you prefer. From a monocoque body shell to 11-inch disc brakes at all four wheels, nothing from the vast store of Mercedes-Benz technical expertise has been held back.



This turbocharged five-cylinder Mercedes-Benz Diesel research car just shattered nine world speed records – including one lap at an average speed of 203.37 mph.

Inside, you and your passengers are a coddled group: surrounded by thick padding, velour carpet underfoot, cradled in spacious seats front and rear. Bi-level climate control, electric windows, automatic cruise control, central vacuum locking system and AM/FM stereo radio are all built in.

Also built into your 300 SD Turbodiesel: *120 safety features,* perhaps the most attractive fact of them all.

Summing it up

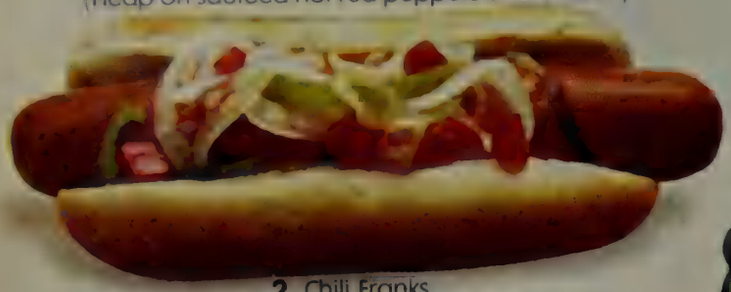
In 1886, the gasoline-powered automobile was pioneered by the two men who founded Mercedes-Benz. In 1936 came the world's first production Diesel passenger car, again from Mercedes-Benz. And now in 1978 begins the era of the turbocharged Diesel passenger car.

And once again, the innovator is Mercedes-Benz.

©1978 Mercedes-Benz

11 ways to liven up a July 4th tradition!

1. Pepper Pot Franks.
(Heap on sautéed hot red peppers and onions.)

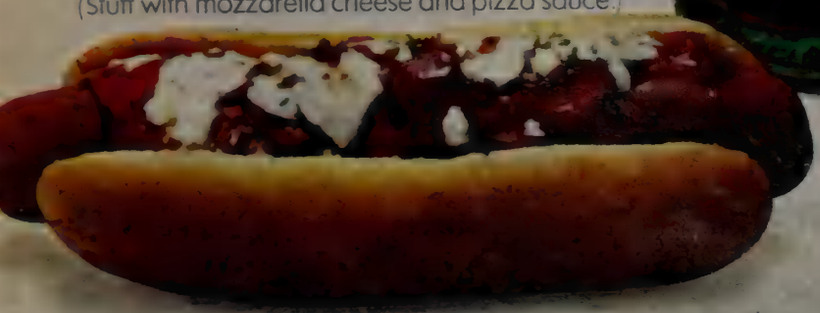


2. Chili Franks.
(Spoon on hot prepared chili.)

3. Franks Parmigiana.
(Add tomato sauce, Parmesan cheese, olive slices.)

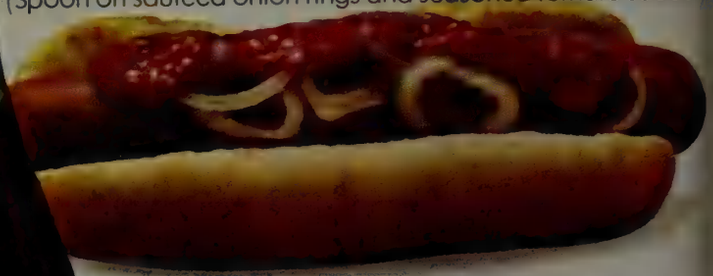
4. Pig-in-a-Blanket.
(Wrap in prepared biscuit dough, then silver foil. Grill.)

5. Pizza Franks.
(Stuff with mozzarella cheese and pizza sauce.)



6. Chinese Grilled Franks.
(Add mustard and soy sauce. Top with bean sprouts.)

7. Hot Diggety Franks.
(Spoon on sautéed onion rings and seasoned tomato sauce.)



8. Dog-On-A-Stick.
(Dip in beaten egg, then mixture of bread crumbs and grated Cheddar cheese. Grill.)

9. Bun-O-Plenty Franks.
(Heap with hot potato salad.)

10. Plain. (With mustard.)
This is the one that started it all.

11. Coca-Cola.

Coke adds life...
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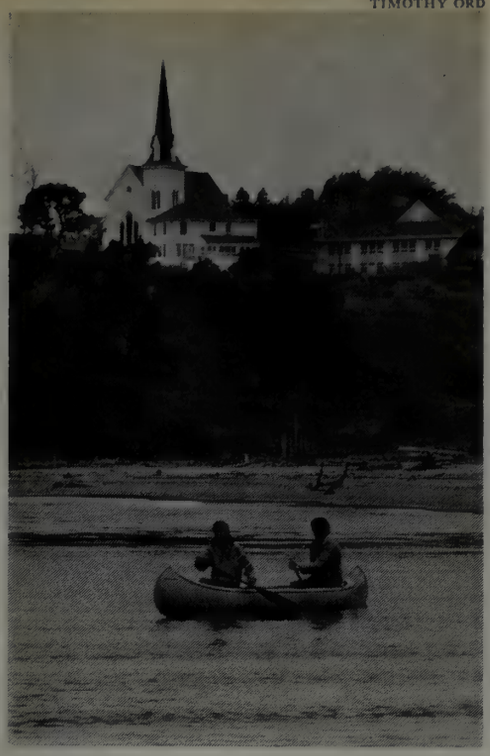
TIMOTHY ORD



Shingled shack *above is rental shop for canoes, kayaks, paddleboats. At right, bluff-top church in Mendocino backdrops canoeists returning downstream after a day's paddle*

Canoeing on the Big River. You can rent your vehicle

One of the last undeveloped redwood-country estuaries, northern California's Big River riffles out of the coastal hills and placidly widens to meet the Pacific at the town of Mendocino, 150 miles north of San Francisco. The river offers a day's peaceful paddling past redwoods, rhododendron groves, and banks of ferns. Tiny patches of beach at many bends invite you to stop and picnic. You can bring your own boat—or rent a kayak, canoe, or paddleboat at a shop called Catch A Canoe on the south bank of the river.

This is one river where you can actually drift upstream for many miles if you let the sea work for you: Head upstream immediately after low tide (the rising tide, coming in over the current, makes the river seem to flow inland) and then return with the current after high tide.

It follows that the best time of day to set out depends on the tide tables. Call Catch A Canoe at (707) 937-0273, or write to Box 686, Mendocino, Calif. 95460 for information. (You may want to camp or stay in a motel nearby if an early start is indicated.) The shop is open daily from 9 until dark through October or even later, depending on the weather. Rates are $3 an hour with a $5 minimum, $13 per day, and $21 for overnight for 15 and 17-foot canoes. Reservations are recommended.

To reach the shop, drive south from town across the Highway 1 bridge and turn left on the Comptche-Ukiah Road; then take the first left down to the river.

To put in your own craft, turn inland at the north end of the bridge and drive down to parking and a public boat launch. □

Remnants *of old lumber company wharves dot the upriver shoreline. Sharp-eyed boaters may see river otter, osprey, beautiful blue heron*

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Just when you thought you'd done it all... Russia and China!

87 days aboard the luxurious s.s. Rotterdam. See Yalta, Odessa, Canton. and Peking. 19 countries. 22 ports.

This year, for the first time, we'll visit the exciting Russian seaports of Yalta and Odessa. And, during our Hong Kong stopover, you'll have three days to explore the People's Republic of China. Other new ports and cultures to warm your body or entice your brain include Aruba, Lisbon, and Istanbul.

Our s.s. Rotterdam, registered in the Netherlands Antilles, is as gracious and elegant a host as ever—offering impeccable service, splendid entertainment—catering to your every wish. We sail west on our 87-day journey from New York, January 16; Port Everglades, January 18; or Los Angeles, February 1, 1979.

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My travel agent is_____

LYNTHA SCOTT EILER

Opera-goers *congregate in front of the lighted façade of century-old Opera House; they're attending a summer's eve performance at Central City Festival*

TERRY E. EILER

Festival dancers *promenade home on their way to square dance show at Carriage House near Opera*

Steam-powered *excursion train offers short rides along hill overlooking city*

Puccini 8,516 feet high in the mining fields... at Colorado's Central City

A Colorado mining town may seem an unlikely place for Puccini, but little Central City, 40 miles west of Denver, has echoed (off and on) to the strains of opera for 100 years.

This summer marks an even century since a gala performance of Michael Balfe's *The Bohemian Girl* opened the Opera House. A repeat performance will open this year's Central City Festival on July 8, followed by a full slate of operas through August.

Beside taking in an opera, there's much to do around town: riding a steam train, touring historic buildings, museum-going, shopping, and dining.

Back in 1874, Central City was just another hastily constructed gold-mining town clustered on the tailings of the "richest square mile on earth"—Gregory

IT'S BETTER IN THE BAHAMAS.

/hat's more, it's Value Season now in Colonial-yle Nassau/Paradise Island, swinging Freeport/Lucaya nd the breathtakingly beautiful and remote Out Islands, prices are way down.

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Value Season vacations start at $345* for 8 days/ nights in Nassau. (IT8WA1BITSN301) Value Season prices lid May 1 to December 15.

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*rice is per person, double occupancy and includes otel accommodations and roundtrip airfare from Los Angeles. Hotel tax, meals and service charges are not included.

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TERRY E. EILER

String-tied Opera House ushers *march past Teller House hotel as early arrivals gather for Saturday matinee*

Gulch. That was the year fire swept through the gulch, and when townspeople started to rebuild, they did so with a passion for permanence.

The Opera House

The new Opera House, its 4-foot-thick stone walls and elegant façade a study in Empire-style simplicity, proclaimed to the world that Central City was no flash-in-the-pan boom town. The inaugural performance of *The Bohemian Girl* was a cultural triumph for the remote, high-elevation (8,516 feet) mining camp. Proud and happy townsfolk came away that night humming the tuneful air, "I Dreamt I Dwelt In Marble Halls" —a song destined to become a Victorian favorite.

The fortunes of the Opera House waned over the years, but such luminaries as Edwin Booth, Lotta Crabtree, Otis Skinner, and Sarah Bernhardt graced its stage before the theater fell dark.

In 1931, the grand old building, painstakingly restored by the Central City Opera House Association, reopened with a dramatic performance of *Camille* starring Lillian Gish. For the last 47 summers it has been the home of the Central City Festival.

Festival 1978

Saturday evening, July 8, the centennial performance of *The Bohemian Girl* will open the 1978 Central City Festival. Other evening performances will be on July 13, 14, 20, 22, 28, and 29, with matinees on July 9, 12, 16, 22, and 26. Donizetti's *Don Pasquale* will open Saturday evening, July 15, and repeat on July 21 and 27, with matinees on July 19, 23, and 29. Evening performances are at 8:30, matinees at 2:30. Tickets for Thursday evenings and Wednesday and Saturday matinees cost $11 and $8; evening performances on Friday and Saturday and Sunday matinees cost $14 and $10.

A Young Artists Apprentice Program will produce Puccini's short opera *Gianni Schicchi* on August 6 at 4:30 (admission by contribution of $5 or more). There's also an Opera House Fashion Show on August 15 and 16 and the Second Annual Jazz and Ragtime Jamboree on August 25, 26, and 27. For reservations, write to Central City Opera, Suite 636, 910 16th St., Denver 80202; telephone (303) 623-4435.

Around town

Here are suggestions on what to see and do in and around the historic city.

Opera House. Guided tours are offered every day except Monday (and during matinee performances) between 10 and 4:30. You'll see the auditorium and stage, and the impressive lobby frescoes and chandeliers. Guides share stories of

Don't stop at Disneyland.

Sure, Disneyland is a great place to start.

But just because you've been there doesn't mean your visit to Southern California is complete.

Because, only minutes away from Disneyland is California's second greatest attraction: Knott's Berry Farm.

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For added strength, every GMC cab and every Wideside cargo box use double-wall construction.

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To cope with backwoods terrain, there's GMC's strong, smooth-riding suspension. With independent coil springs and powerful shock absorbers in front. And in the rear, staggered shocks with 2-stage, multi-leaf springs.

Yet, for all its rugged, no-nonsense ways, a GMC is as civilized in town as a car. Available with 2-tone paint schemes, sport wheels, bucket seats. And an assortment of power assists (steering, brakes, door locks, even Cruise Control). Not to mention luxury touches like air conditioning and stereo.

Why love a GMC? Because it brings you and Mother Nature together. And why love Mother Nature? Because she makes you appreciate GMC all the more. Note: Camper top is dealer installed.

GM

GMC

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LYNTHA SCOTT FILER

Atrium *of Teller House Restaurant is a popular rendezvous before opera matinees*

the Opera House's colorful past and illustrious performers. Admission is $1.50 for adults, 50 cents for those under 12.

Teller House tour. This famous hotel sheltered personalities appearing at the Opera House and such nonperforming guests as Ulysses S. Grant and Horace Greeley. Guided tours of antique-studded rooms and the lobby are offered daily (except Mondays) from 10 to 4. Don't miss the famous "face on the barroom floor" and other saloon murals. Tour fee is $1.50 for adults, 50 cents for those under 12.

Central Gold Mine Museum. Housed in the historic Mason Seavy Block at 126 Spring Street, this multifaceted museum includes the old city jail and an impressive collection of mining and railway equipment. There's also a library of Western history and folklore and many artifacts and old photographs from Central City's past. The museum is open daily from 9 to 5 through the summer. Admission is $1 for adults, 50 cents for youngsters 6 through 12.

Colorado Central Narrow-Gauge Railroad. A steam-powered locomotive pulls three open-air excursion cars along the hillside overlooking town. It leaves every 20 minutes from 10:30 to 5:30 daily. Fare is $1.75 for adults, $1 for ages 5 through 15.

Armory Hall. Elaborate dioramas here depict Central City's history. The building is open daily from 10 to 5:30; donations are welcomed.

To get to Central City from Denver, take U.S. 6 about 30 miles west, then head north on State 119; it's hardly more than a fast hour's drive from the state capital. □

A great big park with a city in it.

Eleven square miles of the ravines and parklands and island playgrounds, the green space Toronto grew up around grows on to this day. But you know it's a city–Opera and Ballet, the best of Broadway and much more, art galleries, a brand new zoo, our Science Centre, the Cinesphere (nifty flicks six stories tall), City Hall, cosmopolitan shopping and nightlife, five thousand ways to savour the flavours of our fifty cultures (one of them 1000 feet up), some truly grand world class hotels and yes, we love Visitors. To find out more about the urban pleasures of your next-door neighbours up north, call COLLECT (416) 965-4008, or write: Ontario Travel, Dept. G.B., Queen's Park, Toronto M7A 2E5. We'll send you our Traveller's Encyclopaedia.

Ontario Canada

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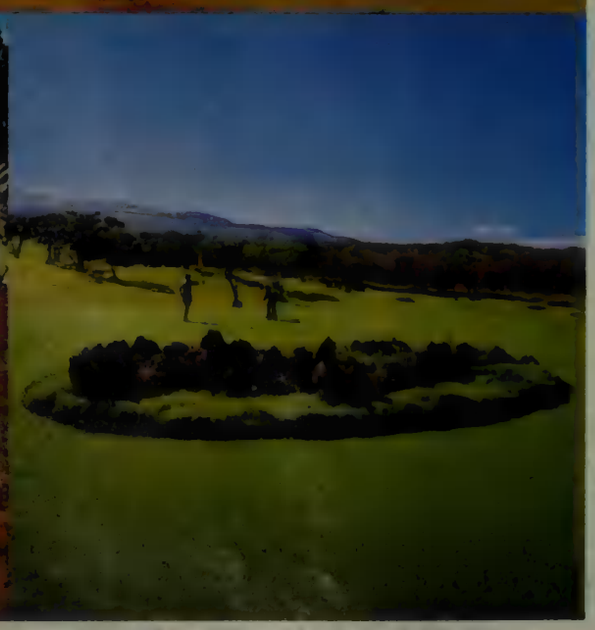
The complete Hawaiian vacation is just outside your luxury hotel or condominium at Wailea. Play our 36 holes of championship golf where every round is a sightseeing event. There's a Tennis Club with 11 Laykold courts and a clubhouse lanai where you can toast center court action--and watch whales go by. On the same morning you can shop Hawaii's leading fashion houses and sun on one of five sparkling, sandy beaches as natural as when the Polynesians first landed here. A total resort vacation of fun, relaxation and dining from informal to famous—all waiting for you now at Wailea.

For reservations see your travel agent, or call toll free:

Hotel Inter-Continental Maui
(800) 621-1155

Vilcor/Hawaii—condominium rentals
(800) 525-4200



Wailea

A joint venture development of Wailea Land Corp., a subsidiary of Alexander & Baldwin, Inc., and the Northwestern Mutual Life Insurance Co.

BILL ROSS

Turreted, gabled *Queen Anne Victorian recalls Red Bluff's prosperous past*

A self-guided Red Bluff tour

In the late 1880s Red Bluff, at the northern end of California's Central Valley, was a rich and bustling town. Head of navigation on the Sacramento River, it was a center of commercial activity, and many wealthy businessmen, lumbermen and ranchers built mansions there.

Many of their stately Victorians are still there and still used as residences—restored, perhaps, but handsome as ever. A free self-guiding map to 17 of them is available at the Red Bluff Chamber of Commerce at Main and Ash streets (9 to 5 weekdays, noon to 5 weekends); or just follow arrow-shaped signs on the streets. Don't confine your observations to these 17; many others are well worth a look.

The architectural variety may surprise you. Just west of Main, between Ash and Crittenden streets, you'll find an 1870 carpenter Gothic (1046 Jefferson Street), an 1886 Federalist or Georgian (210 Ash Street), and a striking 1890 Italianate (1313 Jackson Street). All are private homes, not open to visitors.

The Kelly-Griggs house, a classical Victorian at 311 Washington Street, is now a local historical museum, open 2 to 5 Thursday through Sunday, free.

There's added reason to stop over in Red Bluff this month: the Tehama County Fair from July 20 to 23 (hours noon to midnight daily). Livestock displays and old-time fiddling contests will take place daily. Admission is $2 for adults, free for children under 12. To reach the fairgrounds from Interstate Highway 5, take the State 36 exit and go 2 miles east. □

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Feature by feature, Chinook features more features.

FEATURE	CHINOOK*	THE BUS**
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HORSEPOWER	97	67
WHEEL BASE	110"	94.5"
FLOOR PLANS	2	1
WATER TANK	10.7 gal.	7.5 gal.
POP-UP TOP	STANDARD	OPTIONAL
3-WAY REFRIGERATOR	STANDARD	NOT AVAILABLE
2 BURNER STOVE	STANDARD	OPTIONAL
COMMODE	STANDARD	OPTIONAL
9600 BTU HEATER	STANDARD	NOT AVAILABLE
5 GAL LP GAS TANK	STANDARD	OPTIONAL
AUXILIARY BATTERY CONVERTER & CHARGER	STANDARD	OPTIONAL

*Based on standard Chinook MPG Dinette model. **Based on standard VW Campmobile Bus model #2391. Prices and specifications subject to change without notice.

Study the chart. You can see very quickly that the Chinook MPG offers more than the Volkswagen Campmobile Bus. The larger engine yields more horsepower for hills and maneuvering through city traffic. There's plenty of room inside for loading and unloading day-to-day cargo, and the standard appointments and conveniences make the MPG a complete motorhome when you need it.

Consider too, that the Chinook MPG compares very favorably with the bus in purchase price and operating economy! (Both vehicles show EPA estimates of 25 MPG on the highway. Your actual mileage may vary.)

Dollar for dollar and feature by feature, Chinook features more features.

Test drive the Chinook MPG at select Toyota dealers. Or the Chinook Gazelle at RV dealers.

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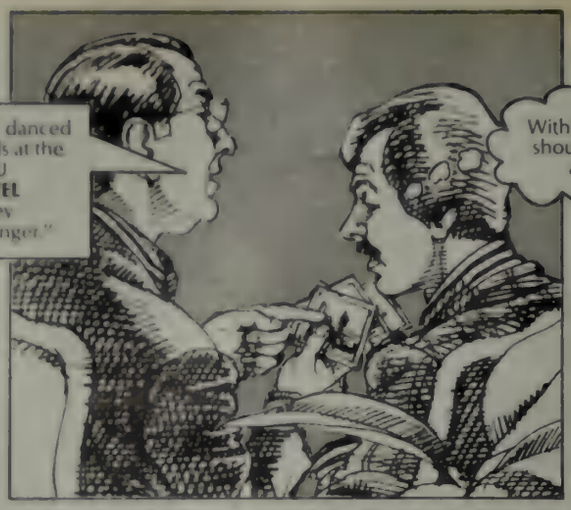

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Inside, the Knight's Hall, one of the largest baronial halls in Switzerland, measures 38 by 57 feet with a 23-foot ceiling. Furnishings include several tapestries made in the 14th and 15th centuries. In a room above you'll find an excellent collection of military uniforms and equipment, and in rooms below are

Farmhouse kitchen, *fancy parlors—dollhouse display pleases all ages*

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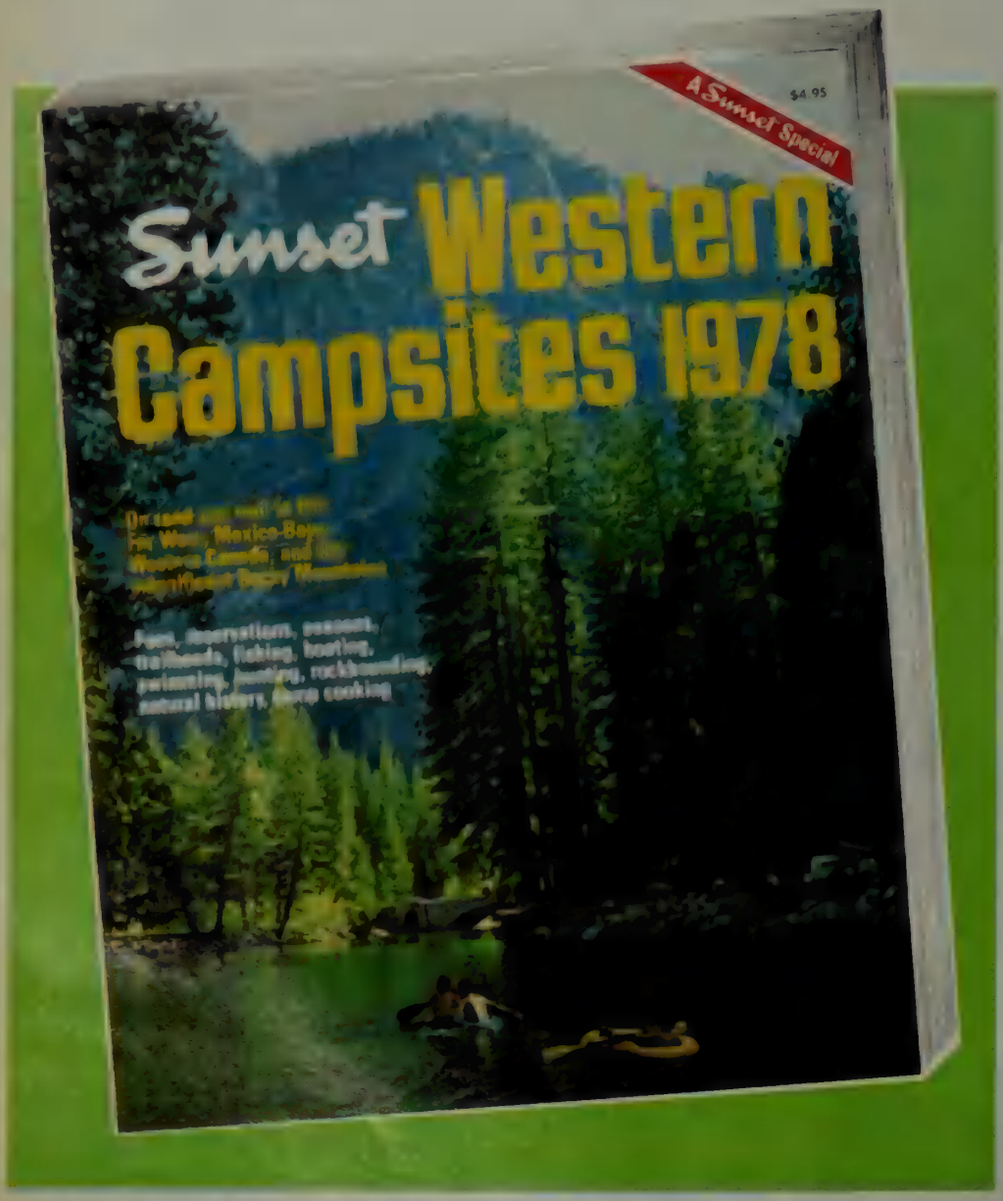


Helps you find the right spot

Finding the right spot means everything when you head outdoors. It can assure you a great experience instead of disappointment. *Sunset's 1978 Western Campsite Directory,* completely revised and updated, helps you plan the best possible trip. It pinpoints 9,000 campgrounds and RV parks on locator maps, tells all about facilities, fees, attractions, and surrounding country; gives phone numbers and mailing addresses where reservations may be made; and provides ideas and directions for dozens of great discovery trips you can take as you travel the West. The new edition covers campgrounds from the Rockies to the Pacific, from Alaska to Mexico, in over 400 pages. It's the most popular, most useful guide you can own!

At bookstores and newsstands: $4.95

One route *to the castle traverses this banner-draped street of shops*

handsome displays of Swiss furniture, agricultural implements, clocks, and ceramics. There's also an enchanting toy and dollhouse collection.

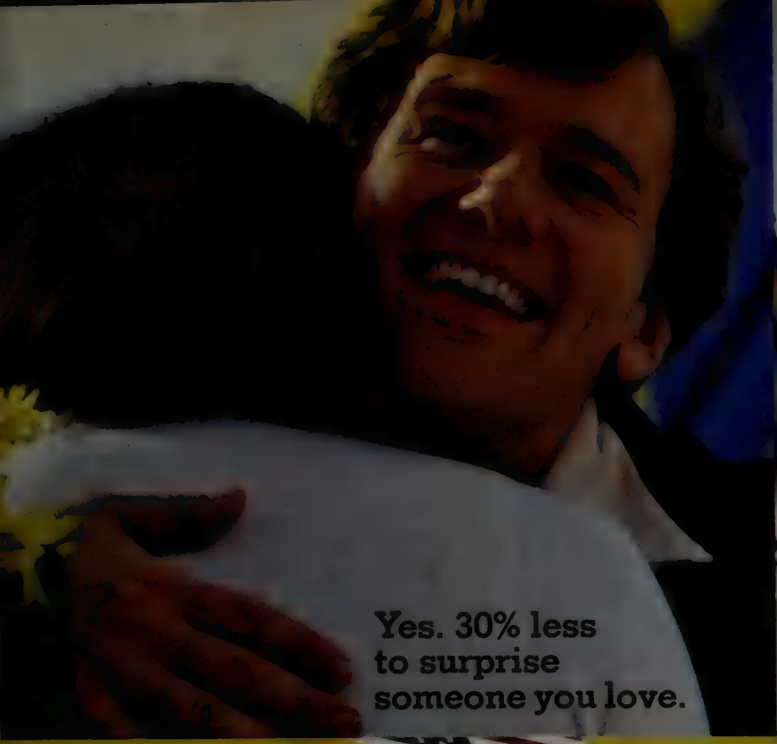
Climb the steps to the top of the turrets and you'll see why Baron Berchtold V of Zähringen chose this site for his stronghold. From one aperture you look out across Lake Thun, from another down over the city built straddling the River Aare.

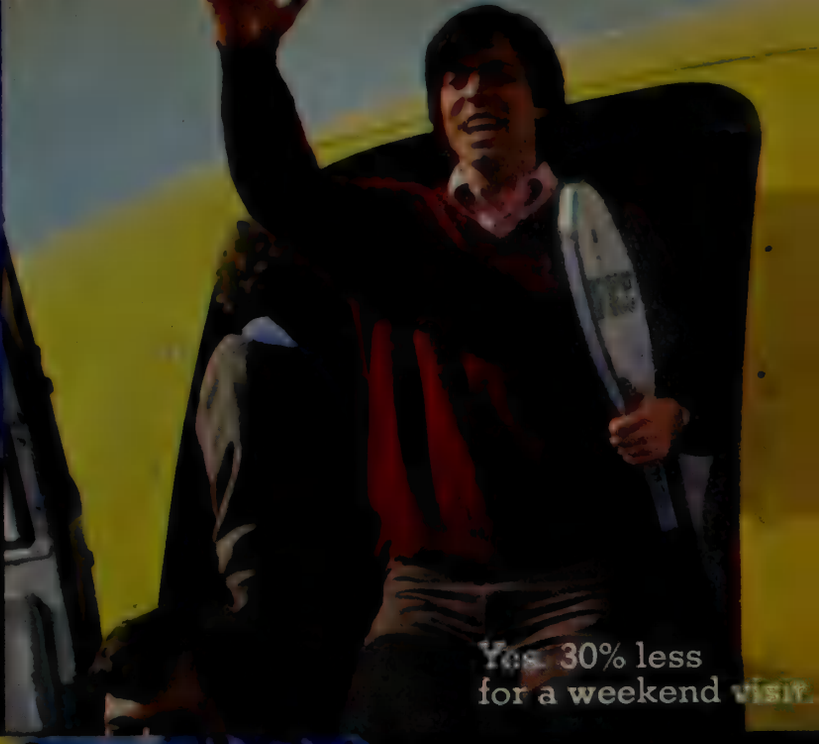
The Thun Castle Museum is open daily from 9 to 6 from June through September, and from 10 to 5 in April, May, and October. Admission is $1.

If you catch the first lake steamer from the Interlaken West Station at 9:10 A.M., you'll arrive in Thun about 11:05. Along the way the boat stops briefly at six to eight villages and resorts, including Spiez and Oberhofen, each with its own famous castle. And on a clear day you'll be able to see some of Switzerland's highest, most dramatic mountain peaks. Save time in Thun to shop, walk the hilly streets, and explore the bench-lined quays. Market days are Wednesday and Saturday.

The round-trip steamer fare is $6.50 second class, $10 first class. (Your ticket is valid on the train, should you care to go one way by rail.) If you have a Swiss Holiday Pass your ticket is free. (A 15-day pass costs $77 second class, $107 first class.) Or at the railroad station in Interlaken you can buy a Regional Holiday Ticket ($35 second class, $50 first class); it's good for 15 days and allows you free travel on trains and steamers in the region for any 5 days, half fare for the other 10, and reductions on other modes of transportation.

For more information, write to the Swiss National Tourist Office, 250 Stockton St., San Francisco 94108. □





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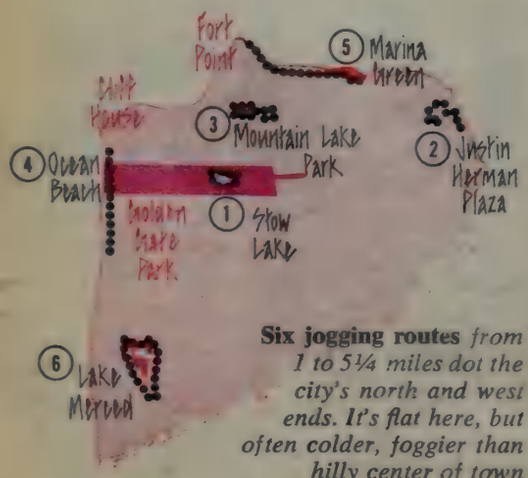
LARRY BULLIS

Aerial show *at Stow Lake distracts you from sometimes arduous running*

Warmup exercises—*not so dull against a backdrop of ocean and Cliff House*

Parcourses *on three routes interrupt your jogging with exercises for the whole body; above, children play on the leg stretch apparatus while parents jog*

Jogging in San Francisco. Here are six routes; three include a parcourse



Six jogging routes *from 1 to 5¼ miles dot the city's north and west ends. It's flat here, but often colder, foggier than hilly center of town*

Joggers are a dedicated lot—even on a business trip or vacation they'll search for a good running course to get in their daily dose of footwork. For jogging newcomers in San Francisco or residents interested in new running routes, we've polled city jogging experts—runners, sports shop owners, fitness instructors—to find six recommendable courses.

All the routes are flat over good running surfaces, and all pass scenic or historic sights. Three include a parcourse: a running route dotted with 9 to 18 exercise stations with apparatus for chin-ups, log hops, leg stretches. Trip lengths vary from 1 to 5¼ miles and take you past the ocean, quiet lakes, into an elegant cul-de-sac and the heart of the financial district.

Where routes intersect streets, be sure to observe pedestrian regulations—stay on sidewalks and follow traffic signals. To reach jogging areas by bus, check the Municipal Railway map in the San Francisco telephone directory or call the 24-hour Muni information number (415) 673-6864 for route planning.

Here are the six routes, listed in order of round-trip length:

① *Golden Gate Park - Stow Lake loop:* about 1 mile. This even, asphalt course circles a quiet lake dotted with rowboaters and swirling seagulls. Stow Lake is off John F. Kennedy Drive (closed to auto traffic on Sundays). There's a parking lot near the boathouse, but space is hard to find weekends after 10 A.M.

② *Downtown—Justin Herman Plaza to Walton Park:* 1½ miles. A flat asphalt and grass route through the financial district, this one is best to run after working hours and weekends. Begin at the nine-station parcourse at the foot of Market Street, continue on the greensward along Clay Street, turn right on Drumm Street (watch signals), and go around Walton Park and back.

③ *Mountain Lake Park to Presidio Terrace:* 2 miles. Just off Park Presidio Boulevard on Lake Street is 15-acre Mountain Lake Park; begin here on its

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Suzanne Pleshette for Utica Fine Arts.

"Country Lace"—A new design by Suzanne Pleshette that updates a favorite traditional look—innocent gingham and dotted Swiss. Sheets and pillowcases trimmed with eyelet embroidery. Twin-tiered quilted bedspread, reversible comforter, matching pillow shams, draperies, towels and blankets. In Green, Pink or Blue (as shown) on crisp white.

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LARRY BULLIS

New club *for runners near the Marina Green sells snacks, holds free seminars. Inside you can hobnob with Mercury, winged messenger of the gods*

asphalt path and 18-station parcourse. Leave the park at its northwest end and continue on W. Pacific Avenue (light traffic), turn right on Arguello Boulevard, then right into Presidio Terrace past some of the city's most luxurious homes. Return by the same route.

④ *Ocean Beach—Cliff House to Lincoln Way:* 2 miles. On hard-packed sand, the route parallels the Great Highway. It's 2 miles from the Cliff House end to the Lincoln Way parking lot and back, 6 miles to Sloat Boulevard and back; or take the No. 18 Sloat bus one way. On clear days this can be an inspiring running area, on other days a wet, foggy, cold route. Watch for rogue waves; swimming is prohibited.

Nice spots for a post-run snack at the Cliff House are Upstairs at the Cliff House (9 A.M. to 10:30 P.M.) and The Seafood and Beverage Company (9 A.M. to 10 P.M.). Both welcome you in jogging attire. There's parking along the Great Highway and near the Cliff House.

⑤ *Marina Green to Fort Point:* 5 miles. Perhaps the most popular running spot in the city, this flat grass and asphalt route boasts an 18-station parcourse, a spectacular view of the bay and Golden Gate Bridge, and a historic fort. Park in the lot at the end of Laguna Street where the parcourse begins, follow parcourse signs to Golden Gate Promenade, and continue out to 200-year-old Fort Point and back.

⑥ *Lake Merced loop:* 5¼ miles. Park in lots at Sunset and Lake Merced boulevards or at Brotherhood Way and Lake Merced Boulevard. An asphalt path circles Lake Merced and the Harding Park golf course. You'll see boating and fishing on the lake, and the golf course is a lovely swath of green.

A new club for runners has just opened near the Marina Green at 1501 Northpoint. Called The Last Lap, it offers free jogging seminars every Thursday at 5 P.M. and serves special joggers' snacks. Hours are 6 A.M. to 8 P.M. weekdays, 9 to 6 weekends. □

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The '78 Campmobile Bus sleeps three with a big double bed for the two of you. And when you decide to take the kids, there's the optional pop-up top that gives you accommodations for up to five.

What's more, the VW Campmobile Bus is decorator-finished. With color-coordinated curtains on the windows. Louvered side windows with screens and insulated wood-panelled walls. So your family car is also your family cottage.

And not only does it save on renting a cottage, the Campmobile Bus saves plenty on fuel, too. It has a peppy, fuel-

injected, two-liter engine which gets an estimated 25 mpg on the highway, 17 in the city, according to 1978 EPA estimates. Of course, actual mileage may vary depending on how and where you drive, optional equipment, such as automatic transmission and the condition of your Campmobile.

So, when you want to get away from it all without ever leaving the comforts of home, remember. It's more fun to take the Bus. The '78 VW Campmobile Bus. Home never looked so good.

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IT'S MORE FUN TO TAKE THE BUS. THE 1978 VW CAMPMOBILE BUS.

Sunlit brown-eyed Susans *greet hikers on Red Pine Trail, one of many trails in Little Cottonwood Canyon near Snowbird*

FRANK JENSEN

Rough shards of granite *litter slopes near Red Pine Lake, part of alpine scenery that seems made for day-hikers and photographers*

Sprightly relics *of mining boom days backdrop recent works of art at Park City's August art festival*

High in Utah...hiking, theater, art, music

You can walk high without climbing. You can listen, watch, shop, do. Rates may be half as much as in winter

They're wonders, Utah's Wasatch Mountains. For the first Mormon settlers, the chiseled peaks and canyons were the final obstacles on the way to the promised land. The high rollers and shovel-stiff miners of last century saw them as a pine-covered treasure chest. And for skiers they later became a soft white playground.

For summer visitors they are something else again. Tramways, mining roads, ski runs and trails lead to alpine meadows and lakes whose water mirrors the sky.

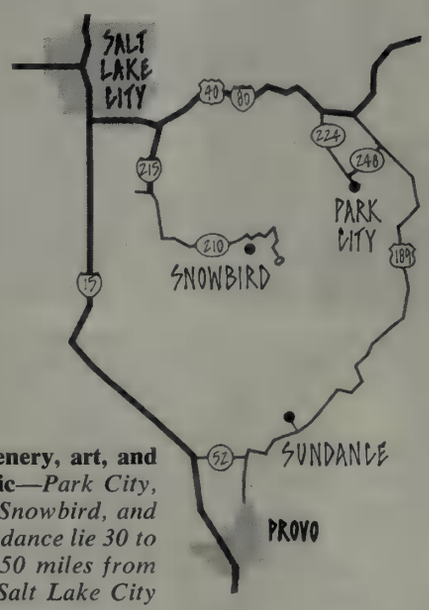
And when hikers return they can take in events that mark the Wasatch's new position as a warm-weather cultural center: the Snowbird Summer Arts Institute, the Park City Arts Festival, and the Sundance Summer Theater, headquartered in three of Utah's best-known, most accessible ski resorts.

In short, whether your interest lies in Bach or backpacking, in stage scenery or the real thing, the Wasatch has something to entertain you this summer.

All three areas lie within easy driving distance (an hour at most) of Salt Lake City; two of the resorts offer a good range of accommodations, usually at reduced summer rates.

Snowbird: symphony, jazz, cannons

Snowbird roosts in Little Cottonwood Canyon, a granite gash in the Wasatch Mountains 24 miles southeast of the city. The resort itself is an unusually polite collection of buildings, some of them high-rises that echo the shape and color of the surrounding canyon walls. All in all, it makes a choice setting for the



Scenery, art, and music—*Park City, Snowbird, and Sundance lie 30 to 50 miles from Salt Lake City*

University of Utah/Snowbird Summer Arts Institute.

This program, which runs from July 10 through August 19, lets the music and arts departments of the university move up into the mountains to instruct nearly a thousand students in photography, chamber music, and other endeavors.

It's not too late to enroll in some of the institute's classes. Anyone interested in attending—Snowbird takes all ages and levels of students—should write to Summer Arts Institute, Snowbird 84070, or call (801) 742-2222 before July 15.

The institute's presence means that any time you wander around Snowbird's decks and passageways you're likely to bump into painters painting and weavers weaving and oboists tootling up for their

Intent student *at Snowbird Summer Arts Institute practices as tram ascends Hidden Peak*

At Snowbird, cannons blast the 1812 Overture. Elsewhere is jazz, painting, weaving, what you will

View from the top: *Artists (and anyone else) can enjoy a three-state panorama from Snowbird's Hidden Peak*

Boom! *Thundering row of cannons provides percussion for Snowbird Orchestra's performance of 1812 Overture*

next recital—students, faculty, and guest artists perform almost every day.

But weekends are the busiest times here. An arts and craft show sets up outdoors and classical and jazz musicians perform under a broad yellow and white canopy that manages to look chipper even in the rain.

Saturday afternoons at 3 the Utah Symphony takes the stage, performing such standbys as Sibelius's *Finlandia* and Beethoven's *Fifth Symphony*. At 8 P.M. the sounds of Snowbird's jazz series bounce up the canyon—these concerts will include Herbie Mann on July 15 and Marion McPartland on July 29.

The 90-member Snowbird Festival Orchestra, made up mostly of institute students, performs each Sunday at 3. This orchestra also has the job of closing the festival when, on August 19, it issues forth with a rousing Wasatch Mountain version of Tchaikovsky's *1812 Overture*, accompanied by cannon blasts and troops of buckskinned trappers who seem to have ambled down the mountain to see what all the noise is about.

For a schedule, write or call the Snowbird Summer Arts Institute. Symphony tickets ($5 and $4) are available at Snowbird Center or at Kingsbury Hall on the University of Utah campus. Jazz concert tickets (also $5 and $4) and Snowbird Festival Orchestra tickets ($1.50 and $1) are sold only at Snowbird Center.

Resort accommodations run from $28 for a single to $48 for a suite (a big savings over winter rates, which range to $100); write to Snowbird Central Reservations, Snowbird 84070, or call (801) 742-2000.

To reach Snowbird, take Interstate 80 east from Salt Lake City, turn south on I-215 Belt Route (Wasatch Boulevard), then east on Utah 210 and drive up Little Cottonwood Canyon 7 miles.

Park City: art festival, photo festival, melodramas, a half-mile slide

Park City is a rawboned old town that boomed as a barracks for hard-rock miners and their hangers-on, then turned to skiers. Now it's establishing itself as an art center as well, a role it celebrates on August 19 and 20 with the Park City Arts Festival. That weekend, Main Street will be flooded with artists and their works (nearly 200 artists displayed last year), street entertainers, and visitors, who all make the place bustle as much as it ever did in its glory days.

The festival runs from 11 to 7 both days, with evening concerts in various locations. For details, write to the Chamber of Commerce, Box 1060, Park City 84060, or call (801) 649-8899.

To reach Park City, drive east 19 miles on Interstate 80, then drive south 6 miles on State 224. During the festival, signs and attendants will direct you to parking lots; from there you can walk or take an inexpensive shuttle bus to Main Street.

For the rest of the summer Park City shows off its artists in quieter ways, Main Street sports interesting galleries, and at Park and Heber avenues an old garage has spruced itself up to become the crisply elegant Kimball Art Center, whose exhibits showcase artists from Utah and the west. In conjunction with the festival, the center will be sponsoring its own Photo Festival from August 6 to 24. Hours: 10 to 6 Tuesday through Saturday, noon to 6 Sunday.

Before or after you visit the museum, stop by the Chamber of Commerce (509 Main Street, open 10 to 4 Tuesday through Saturday, noon to 4 Sunday; closed Monday) for its pamphlet, *Park City Historic Walking Tour*. Despite the hubbub of 20th century tourism, Park

FRANK JENSEN

At Park City, melodrama on weekends, an art festival in August

Unsinkable Molly Brown *survived bar brawls and the Titanic last year at Sundance Summer Theater*

Sleek *Kimball Art Center once held mechanics and lube racks; now it's hub of Park City art community*

City's history does seem to linger on, and this self-guided tour is a good way to begin discovering it. It takes you past some of the more intriguing buildings in town, including St. Mary's Catholic Church, the oldest in Utah, and the Coalition Building, a disheveled, big-tipped edifice which once stored the ore that made Park City rich.

Main Street's Silver Wheel Theater isn't particularly old, but the melodramas that play here each Friday and Saturday night at 8 are replete with staunch heroes, distressed damsels, and mustachioed villains fully as hissable as they were last century. Tickets cost $3.

Finally, one of Park City's most recent attractions doesn't have to do with art or history or much of anything except thrills. Those it delivers. The Alpine Slide lies just behind the resort center; a chair lift takes you to the top of the hill and from there you slither down a 3,000-foot-long concrete trough in small plastic cars that do a hair-raising impression of bobsleds careening down a mountain. Open daily from about noon to 11 P.M., the slide costs $2.50.

Accommodations at Park City range from $15 for a single room to $95 for a four-bedroom condominium. For a rate schedule, write to Park City Central Reservations, Box 1060, Park City 84060, or call (801) 649-8266.

Sundance: musicals in the woods

The Sundance Ski Resort, 50 miles southeast of Salt Lake City, has been hosting the Sundance Summer Theater for nine years now; this summer the roughhewn outdoor stage (you watch from wooden benches) will support

16 players as they essay two musicals, *Mountain Fever* and *Annie Get Your Gun*, and a family show titled *Sundance Story Time*. *Mountain Fever* runs nightly except Mondays through July 12; then it and *Annie* alternate. The family show runs on Mondays; the theater is closed Sundays.

All shows start at 8:30, which is late and cool enough to warrant bringing a jacket or blanket. You might also want to bring a basket of food, as Sundance has just added a picnic area near the theater. Tickets cost $3 and $2, or $3.50 and $2.50 on Fridays and Saturdays. For reservations, call (801) 225-4100 or write to Sundance Summer Theater, Box 837, Provo 84601.

To reach Sundance from Salt Lake City, take Interstate 15 south to the Orem-U.S. 189 exit; drive east on U.S. 189 into Provo Canyon 7 miles to the Sundance turnoff.

Into the mountains . . .
by tram, by foot

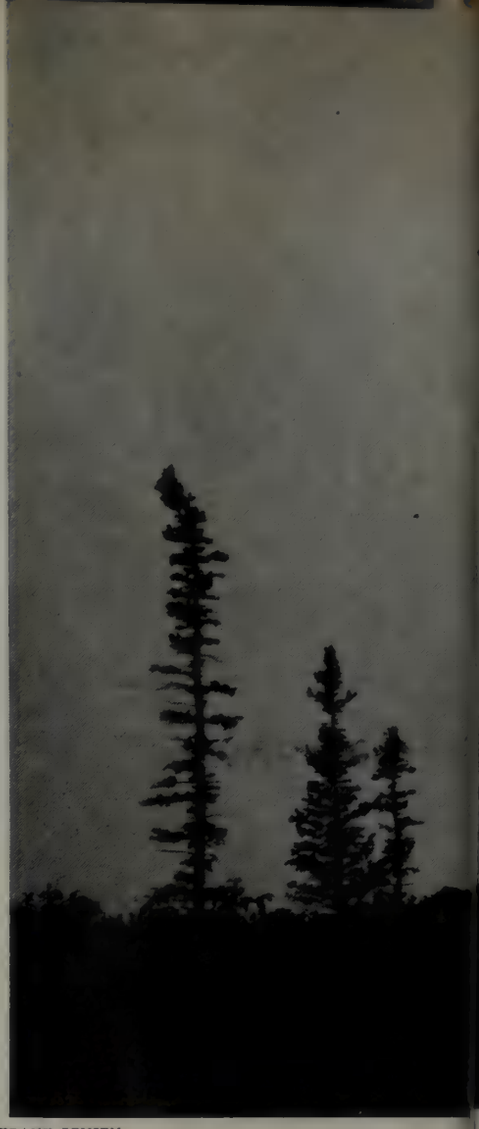
It would be a mistake if somewhere amid the concerts and art shows and musicals you didn't attend the best performance of them all: summer in the mountains. Patches of brown-eyed Susans daub the meadows, and translucent groves of aspen make you wonder why Impressionism wasn't born in Utah instead of France.

One easy way to take in the spectacle is to ride one of the ski resort trams up into the mountains and walk your way back down.

Snowbird's big aerial tramway (adults, $4; children 6 to 12, $2) runs from 11 A.M. to 8 P.M. daily, climbing up craggy granite cliffs to the top of Hidden Peak. From this 11,000 foot aerie you can, on one of the frequent clear days, peer north into Wyoming and west beyond the Salt Lake Valley into Nevada.

The trails that wind down the peak average 3½ miles in length and generally follow the ski runs. They suffer from the erosion that seems endemic to ski areas, but the views from the mountain (and the ease of getting to its top) compensate.

Park City's four-person gondolas (adults $3, children $1) leave from 11 to 6 daily and rise gradually over smooth tiers of hills behind the resort center. The scenery is deceptive; it isn't until you've reached the summit and look



FRANK JENSEN

Glide *up a mountain in a gondola or tram, then take your time hiking down; you'll get a view of green and rolling hills both ways*

Banked curves *of Park City's Alpine Slide send you sizzling down the hills; a chair lift takes you back up*

Up on gondola or lift, down on foot or on the sizzling Alpine Slide

Mist shrouds the mountains *at Snowbird as hikers descend now-snowfree ski runs to their waiting cars*

back to see the whole green Heber Valley behind you that you realize how high you've come. The trails down the hill seem more domesticated than Snowbird's, perhaps because of the gentler terrain and the unabashedly romantic mining ruins that dot the landscape.

Many other trails lead deeper into the mountains. For example, a mile below Snowbird and a mile above Tanner's Flat campground, White Pine and Red Pine trails begin just off the south side of the road, then branch apart and scoot up the sides of Little Cottonwood Canyon 4 miles or so to their respective ends, White Pine and Red Pine lakes. Both lakes offer fair fishing and fine scenery, and are cold enough to revive you after the hottest day's journey.

Other relatively easy trails begin near the Albion Basin campground, which is 4 miles above (east of) Snowbird at the top of Little Cottonwood Canyon. For much of the summer the basin itself rewards visitors with a superb swath of wildflowers, but hikers who press on along the 1½ miles to Catherine Pass will be offered a view of mountains and of three beautiful sisters—lakes Mary, Martha, and Catherine—who also receive visitors willing to hike a few miles farther.

The countryside around Park City and Sundance contains similar riches, whether you stick to established roads and ski runs or head off on less traveled ways. Wherever you go, follow the usual precautions on equipment and clothing —the clouds that sometimes cloak these peaks are eerily beautiful, but they're also cold and wet. And be sure to take insect repellent.

Guidebooks, maps, camping

Well worth their cost are two guidebooks published by the Wasatch Mountain Club: *Wasatch Trails* ($2) and *Wasatch Trails Volume Two* ($2.50). They describe the mountains nearest Salt Lake City, including the area around Snowbird, with charm and comforting thoroughness. The Sundance area is handled more briefly in Shirley Paxman's jaunty *Utah Valley Trails* ($2, Wasatch Publications, 1978). The three are generally available at Salt Lake City bookstores and outdoor shops.

We've found no such guide to hiking around Park City, but you might buy a $1.50 pamphlet, *Cross-Country Trails in Park City, Utah,* which does cover snow trails that are as usable in summer as in winter. Or depend on the USGS *Park City East* and *Park City West* quadrangles, available for $1.25 each at the USGS, Room 8105, Federal Building, 125 S. State Street, Salt Lake City. (The area near Snowbird is contained in the *Dromedary Peak* and *Brighton* quadrangles; Sundance in the *Aspen Grove* quadrangle.)

No campgrounds lie next to Park City or Sundance, but a half dozen line State 80 northwest of Sundance, and Wasatch Mountain State Park south of Park City has facilities for tents, trailers, and boats. You can also camp anywhere in the Wasatch and Uinta national forests, except in the Big and Little Cottonwood canyons watershed area just east of Salt Lake City, where camping is allowed only in designated campgrounds (the two closest to Snowbird are the already-mentioned Tanner's Flat and Albion Basin).

Maps of the Wasatch and Uinta national forests, with campsite information, can be obtained for 50 cents apiece from U.S. Forest Service, Room 8226, Federal Building, 125 S. State Street, Salt Lake City 84138. For a free state-wide campsite directory, stop by the Utah Travel Council, Council Hall (on Capitol Hill), Salt Lake City 84114. □

NORMAN A. PLATE

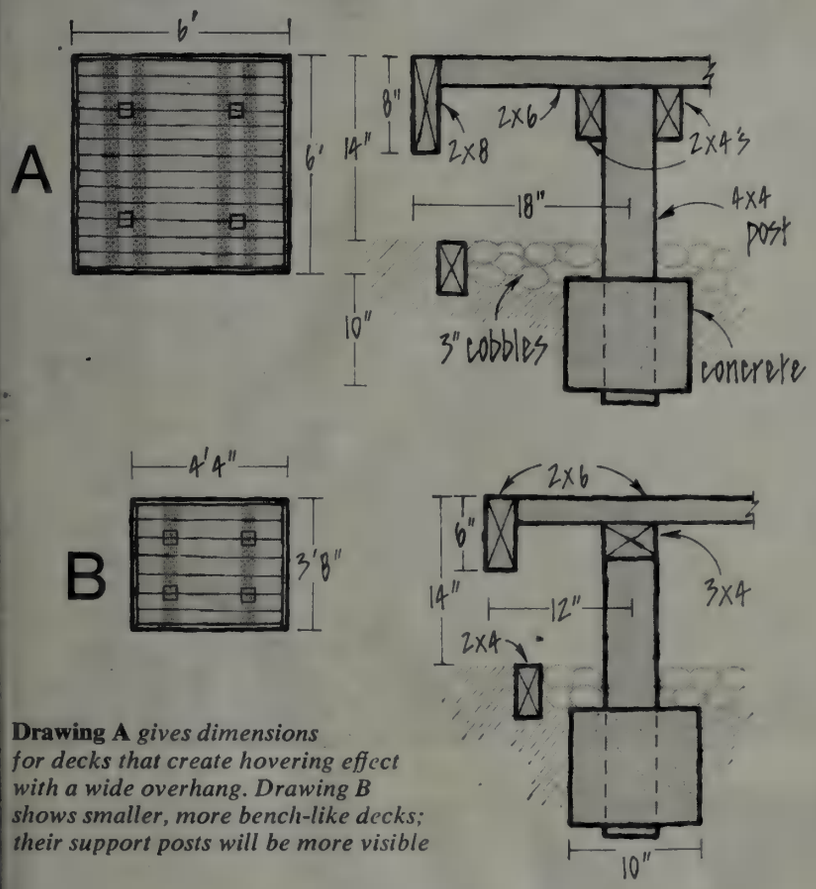
Quiet niche. *This 6 by 6-foot deck, built into a plant-rimmed corner of the patio, is a fine place to spread a tatami mat for exercising, sunbathing, yoga. Deck is 14 inches above ground, as shown in drawing A*

The floating deck idea

These decks are small, freestanding in the garden, and they seem to "float"

Room for two *on a floating pad. Hiding support posts are 2 by 8-inch fascia, 18-inch overhang*

For easy lawn care, *extend stone border out 12 inches from beneath deck to meet 2 by 4-inch header. Fascia boards are mitered, nailed to 2 by 6-inch decking*



Drawing A *gives dimensions for decks that create hovering effect with a wide overhang. Drawing B shows smaller, more bench-like decks; their support posts will be more visible*

Small platform *has narrower 2 by 6-inch fascia, 12-inch overhang, posts closer to edge; drawing B gives dimensions*

What are floating decks? They're small freestanding platforms that sometimes take the place of outdoor tables and chairs, sometimes just provide places for outdoor things to happen. Some have wide overhangs that completely hide supporting posts—the deck seems to hover in the air. Others are even smaller wooden pads that don't hide their posts, but still rest lightly in a garden.

Carefully placed, they have many uses: as a place to sit, a table for serving a garden buffet, a display area for potted plants, a sunny place for sunbathing.

Landscape architects Omi Lang Associates of San Francisco designed the decks shown here for the gardens of several homes at Whaler's Cove in Foster City, California (homes that collectively won an Honor Award in last year's *Sunset*-AIA Western Home Awards program). Each deck is built with sturdy underpinnings of 4 by 4-inch posts set in concrete, but overhang and fascia can vary according to your needs.

To achieve the hovering effect, as shown in drawing A, keep in mind three important figures: the length of the overhang (distance from center of post to deck's outside edge), the height of the deck from the ground, and the width of fascia boards. These dimensions apply to decks 6 feet square or larger; keep dimensions constant if you want the hovering effect shown in our photographs.

For smaller decks, use the dimensions in drawing B. Here your support posts will be visible (if set closer to the center the deck would be unsteady), so the effect is more that of a large bench.

A river rock ground cover accents the outline of the wood deck and draws the eye into the shadows beneath each platform. On the practical side, rock can cover drains and other ground-level fixtures, and discourage weeds or nearby ground covers from growing in the hard-to-reach space under the deck.

Mexico dinner in the Hollywood Hills

Surprise is the main course. It is a big knife-and-fork taco

Splendidly informal—that's the spirit of the Mexican dinner at Bernard and Dora Judge's home in the Hollywood hills.

A dramatic entrée is the star of this summer evening: giant tacos, made with plate-size flour tortillas that are crisply fried, then shaped in the curve of a half-open shell.

Often labeled "burrito-size," you'll find the 10 to 12-inch-diameter flour tortillas next to other flour and corn tortillas in many supermarkets. They're readily available throughout Southern California and are becoming more so in other parts of the West (in some areas, however, you may need to ask for them in Mexican markets, delicatessens, or tortilla bakeries).

If you can't find the large ones, use the regular 9-inch flour tortillas to make slightly smaller tacos; allow about 2 for a serving.

And the complete Mexican meal (it's pictured at right) makes for delightfully easy summer entertaining. Though it's planned for 6 to 8 guests and served in leisurely courses, virtually all can be prepared ahead.

Here's our menu for a Hollywood hills Mexican dinner of your own:

Chilled Citrus Sangría
Guacamole with Crisp Vegetables and Cooked Shrimp
Giant Flour Tortilla Tacos
Spiced Caramel Custard Flan
Chocolates Butter Cookies Coffee

You'll need 2 or 3 cups guacamole (homemade or purchased) to serve with assorted crisp vegetables and cooked and chilled shrimp. Prepare the flan (see page 163) and serve with purchased chocolates and cookies.

Giant Flour Tortilla Tacos

Salad oil
6 to 8 large flour tortillas, each 10 to 12 inches in diameter
6 to 8 cups shredded iceberg lettuce
Beef filling (recipe follows)
For garnish: 2 or 3 small tomatoes (thinly sliced), 1 or 2 avocados (peeled, seeded, and sliced), jumbo ripe olives, large radishes, sour cream, and fresh cilantro sprigs (also known as Chinese parsley or coriander)

In a 12-inch frying pan, heat ½-inch-deep salad oil over medium to medium-high heat to 375° on a deep-fat frying thermometer. Fry 1 tortilla at a time for about 30 seconds, turning it quickly and carefully with 2 wide spatulas until bubbly and just golden, but still flexible. Bend the tortilla slightly as you lift it from the oil with the spatulas. Let drain on a thick layer of paper towels, or quickly wrap in several towels. Lean tortilla against something sturdy (see below), so it holds its shape as it cools. Repeat until all are fried.

If made ahead, cool, carefully package in large plastic bags, and store at room temperature up to 1 day, then recrisp. (To recrisp, place 1 or 2 tortillas at a time on a baking sheet and heat, uncovered, in a 350° oven for about 5 minutes; cool on wire racks.)

To assemble each taco, place a fried tortilla on a plate and cover bottom with about 1 cup of lettuce. Spoon on about 1 cup meat filling, then garnish with tomato, avocado, olives, radishes, sour cream, and cilantro.

Serve with knife and fork to eat like a salad; you can break off top section of the tortilla and eat it like bread. Makes 6 to 8 servings of 1 giant taco each.

Beef filling. Brown 3 pounds lean ground beef in a large frying pan over medium heat; drain fat. Add 2 large onions (chopped) and sauté until limp. Stir in 4 teaspoons chile powder, 1½ teaspoons *each* oregano leaves and paprika, ¾ teaspoon *each* ground cumin and pepper, 1 tablespoon Worcestershire, and 1 can (15 oz.) tomato sauce. Simmer uncovered, stirring, until hot. Season with garlic salt. If made ahead, cover and chill; reheat to serve.

Chilled Citrus Sangría

Combine, cover, and chill 1 bottle (⅘ qt.) dry red wine, 2 cups fresh orange juice, ½ cup *each* fresh lime juice and lemon juice, and about ¼ cup sugar. To serve, stir in 2 cups chilled sparkling water or club soda and garnish with orange slices. Serve over ice. Makes about 8 cups. □

DARROW M. WATT

Big, puffy bubbles *form immediately as flour tortilla is fried in hot oil; you use wide spatulas to turn it without breaking. Bent as it's lifted from oil, cooling tortilla leans against a can to stay in shape*

CHRISTIANSEN

Before dinner: *As the lights of Los Angeles twinkle in the distance, veranda guests enjoy glasses of chilled citrus and red wine sangría along with an assortment of fresh vegetables and large cooked shrimp to dip into spicy guacamole*

The main course: *Almost as big as the plate itself, the giant taco is made with a large, crisply fried flour tortilla. Guests will need knives and forks*

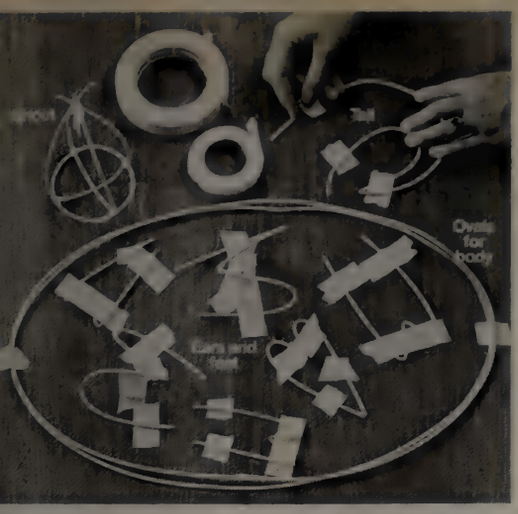
And for dessert: *Golden custard flan goes with chocolates, cookies, coffee*

M. WATT

Jaunty *calico-eared pig and polka-dot-winged Rhode Island Red cast soft light. Dark lines reveal their rattan framework*

Glowing fabric lanterns

You are the designer, working with fabric, reed, rice paper . . . and whimsy



1 • *Reed lengths for basic frame ovals and add-on parts are soaked until pliable, then taped flat to shape*

2 • *More ovals are added to build up the structure. At each crossing, wrap joint firmly with florist's tape*

3 • *Add-on parts go on with tape; here, pig's snout (shaped earlier) is taped to basic frame*

4 • *Rice paper is glued on and trimmed piece by piece. Note open space at top for bulb and cord*

5 • *Pieces of fabric cut to fit each section are glued over rice paper; contrasting ears go on the same way*

The glow of an imaginative fabric lantern can add enchantment to a summer garden party, brighten a corner of the kitchen or breakfast room, or softly illuminate a child's room at night, the friendliest of sentinels.

Our lanterns are adaptations of the silk-covered ones traditionally used at Chinese festivals and celebrations. A rice-paper lining diffuses light to mask the bulb's outline, and a fabric covering lends color and personality.

To make our version, you'll need a bundle of reed or rattan (available at craft stores); masking tape; white florist's tape; quick-drying craft glue and a popsicle-stick applicator; three sheets of rice paper; ¾ yard cotton polyester (or thin cotton or silk) and contrasting fabric scraps for decoration. You'll also need enough clear lamp cord to reach the outlet you'll be using, with a plug at one end and a cardboard-insulated candelabra socket (we used a 10027 Leviton) with a 15-watt bulb at the other end; and, for hiding the cord when the lantern is suspended, a length of rattan chain. For socket assembly you'll need these, all with ⅛-inch thread: a ⅜-inch plastic bushing, a 5-inch ceiling canopy, a ⅜-inch lock nut, and a ⅜ by 1-inch nipple. Materials to make one lantern cost about $10.

You build your lantern creation—be it pig, chicken, fish, or fruit—from a basic egg-shaped form (roughly 18 by 24 inches) made of intersecting reed ovals. Then you add reed-framed feet, snout, ears, wings, or fins.

First sketch a full-sized outline of the creature. Cut two (for pig) or three (for chicken) 4-foot lengths of reed for the basic ovals (slice on the diagonal with scissors or mat knife so later joints will be smooth). Then as photograph 1 indicates, cut shorter lengths to be formed into add-on parts.

Soak reed lengths in water about 15 minutes or until pliable. Then bend them as you want them formed, and fasten all pieces to a smooth surface with masking tape until dry.

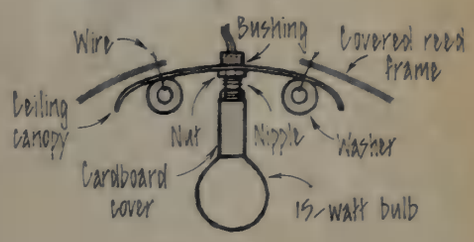
Join the ends of each basic oval with glue; hold them in place and wrap joints with florist's tape. Using more tape, fasten ovals together to make an egg-shaped form. To build up the form, add more ovals cut to size from dry reed and positioned both parallel to and encircling the first ones. You'll end up with a light but sturdy frame, with all intersections held fast by florist's tape.

Next, securely tape add-ons to frame.

To make the rice-paper covering, hold paper against your frame; cut out pieces of paper a little larger than frame spaces between reeds. With the popsicle stick, apply glue to reed around a frame opening; spread a paper piece smoothly over the space, wait 5 minutes, then trim off excess paper. Cover all openings except one about 3½ by 5 inches—make sure it's along a top rib near the middle of your lantern; later you'll insert bulb and socket through this opening.

Repeat the covering process with fabric, using scraps for features and other trim.

To wire your lantern, pass cord end through bushing, ceiling canopy, nut, then nipple. Pass cord under the threaded circle at the top of the socket and fix stripped ends to screw terminals. Screw socket to nipple; slip cardboard insulator over socket and add bulb.



Using fine wire threaded through the two holes in the ceiling canopy and around washers or rattan stubs, attach canopy to reed frame so that the lantern is in balance.

Thread the cord through the rattan chain and stitch lowest loop to the lantern frame. You're ready to shine. □

The adobes of New Mexico

What can we learn from them?

Rooms were added *over the years. Upper room is "mirador" open to view, cooling breezes. Strong flat roofs invite sunning*

Mix earth and water to mud-pie consistency, form the mixture into bricks, and dry them in the sun—and you get adobe, the desert world's ancient and still widely used basic building material. In this country, it's romantic, historically important, and as Western as cowboys and Indians.

But adobe is more than just a picturesque regional material. It functions.

Adobe is durable. Properly maintained and stabilized or protected against moisture, it can last indefinitely. Look at the Taos pueblo.

Adobe is right underfoot, so it lends itself to inexpensive owner-building without complex equipment. Building with adobe is often even a family affair.

Adobe's sculptural properties allow it to be used in rounded, creative forms —another owner-builder advantage. Adobe dwellings often appear to be natural outgrowths of the earth itself, almost organic in their ability to expand as rooms are needed, or to take fluid, unusual forms to accommodate even the most modern energy-conscious designs.

Properly used, adobe is a good thermal moderator, stabilizing a house's interior against extremes of heat and cold.

The houses shown here were photographed in New Mexico. They represent a rare phenomenon in the United States: an authentic indigenous architecture. But adobe's use is certainly not confined to New Mexico; it's also a tradition in Arizona and Southern California. Why is it not used even more widely?

The cost and the codes

The only commercial adobe manufacturing plants in the United States operate in the Southwest (California has one operating as far north as Fresno). To ship enough of the bricks (4 by 10 by 14 inches and weighing 25 to 30 pounds each) more than several hundred miles would be a prodigious, expensive job.

Locally made adobe bricks are a possibility in the dry-climate regions of eastern Washington, eastern Oregon, southern Idaho, Utah, Nevada, Colorado, and Wyoming. (An adobe soil map is being prepared now by *Adobe News;* a newspaper of the adobe building movement.)

Even if you get adobe brick on site within a budget, you're faced with building codes and ordinances that differ wildly and confusingly in the West.

New Mexico probably has the most comprehensive and liberal building code as it applies to adobe. The state covers adobe in its new energy conservation code, which is already serving as a model for other Southwestern states.

Codes today are most stringent in earthquake-conscious California, but the California Department of Housing and Community Development is considering more permissive regulations for what it terms "alternative" building materials, including adobe. California now considers adobe a facing, not structural, material; the steel reinforcing called for makes adobe uneconomical.

Arizona's codes fall somewhere between California's and New Mexico's.

In other states the regulations are those given for unburned masonry in the Uniform Building Code, plus local amendments.

The New Mexico style

A special language describes and names the components of a New Mexico adobe

Grand handcrafting: *Carved wood corbels and cupboards, sculptured fireplace, deep-set windows, peeled log vigas*

Growing *out of new kitchen wall, adobe fireplace also contains storage areas and built-in ovens*

Niches *built into 3-foot-thick walls take place of shelves, create display areas that surprise the eye*

DON NORMARK

50-year-old adobe house is Santa Fe classic . . . corner fireplaces, thick energy-saving walls, much handcrafting

Named "Sunmount" by its owner, Sallie R. Wagner, this house was designed more than a half century ago by Santa Fe architect Katherine Stinson Otero. The main difference between it and more recently completed adobe houses is its size; over the years with rooms added it has spread. The newly remodeled kitchen ties into the original house with an adobe stub wall. The eye-level fireplace takes the chill off early morning air.

Walls become furniture: *Kneehole beneath window-sill desk, adobe kitchen bench*

From a shovel of mud to a ready-to-finish wall

Four-brick frame *built of 2 by 4's holds about 20 shovelfuls of premixed soil and sand and a double handful of chopped straw. Straw, grass, even manure mixed in will help drying, bond bricks, minimize cracking*

Stripping frame *from bricks is done after a few hours. Bricks will set in about three days in summer; best bricks are well mixed and cast very wet for maximum density*

Turned on their sides *for curing, bricks from commercial yard are ready for delivery two weeks (minimum) after pouring in summer. These are made with 100-brick frames*

Lime lines *indicate wall placement. Backhoe will dig a 2-foot-wide, 2 to 3-foot-deep trench between lines for concrete foundation; wood forms then go into trenches*

Mortar *is just adobe mud troweled between bricks. Note conduit at upper right: wiring goes in as walls are laid, or walls are channeled to accept conduit and wiring later*

Bond beams *top interior and exterior walls at ceiling height. Headers are visible over doorways. Peeled log vigas at upper right are ready to be placed so construction of roof can begin*

house. *Vigas* are the beams, traditionally peeled logs, that rest on the walls and hold up the roof. Corbels are short timbers (often decoratively carved) used to reinforce the ends of beams or joints over a post. *Latillas* make up the ceiling above the vigas: originally they were cedar poles 2 to 3 inches in diameter laid diagonally and covered with a 12-inch-thick dirt roof. The ground-level roofed verandas along the sunny side of adobe houses are *portales*, cherished for the shade they give.

Can you become an adobe builder?

Plentiful as adobe is in New Mexico, it is truly an inexpensive material only if the owners are willing to do some of the work themselves; by making the bricks, laying up the walls, or both. Even if you don't pitch in, custom adobe building in New Mexico can be cost-competitive with custom frame house building—$26 to $30 per square foot in Albuquerque —because of lumber costs.

Here's a brief case history of do-it-yourself building with adobe. Brant and Laurie Calkins added about 1,800 square feet to make a house out of a two-room adobe summer place near San Ildefonso, New Mexico. They used about 10,000 adobe bricks (current prices including delivery are 22 cents a brick in Albuquerque, 28 to 30 cents a brick in Santa Fe) for all interior and exterior walls. Calkin's pick-up truck could haul 136 bricks at a time from a local brickmaker's yard, and after a little practice, he could lay twice that many bricks in a straight wall in half a day. Curves, bay

Rough-textured *living room wall shows adobe brick pattern. Wall on left was smoothed during construction. Copper-hooded fireplace radiates heat to sunken sitting area*

DON NORMARK

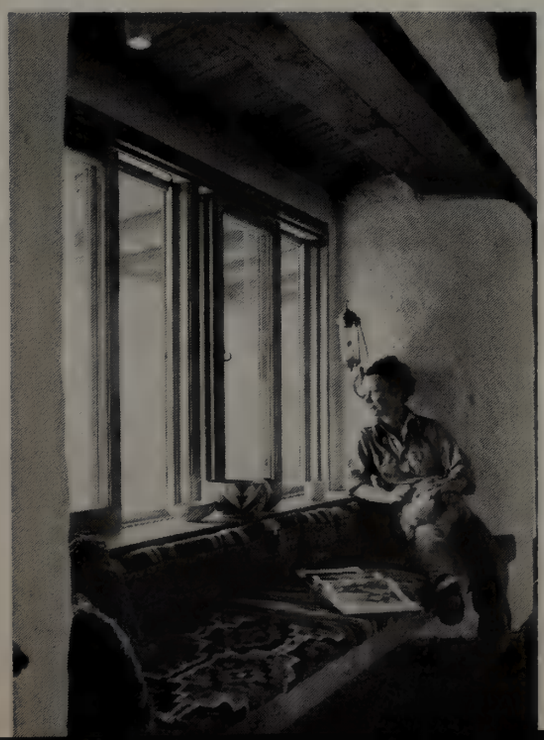
A blend of patterns *is seen in clerestoried hall that joins old to new (new work is to left of clerestories)*

Simple lines *of remodeled adobe house are broken somewhat by a graceful window bay, staircase-like projecting wall*

Owner building is one way to go

It was a backaching job, but Brant and Laurie Calkins remodeled a tiny old adobe house into what you see here. They laid up 14-inch-thick walls of sun-dried adobe (each brick weighing 25 to 30 pounds) on massive concrete footings. Ceilings are tongue-and-groove boards called car decking laid diagonally (to look like traditional *latillas*) over peeled pine poles, then covered with more wood roof decking and heat-reflecting aluminum. They laid forced air heat ducts beneath the brick floors.

Sculptural quality *of adobe lends itself to niches. Below left, window seat is suspended between two rounded walls. Heavy wood lintels support adobe above opening. In bedroom bay, right, plants grow in ground 12 inches below brick floor*



windows, and window seats took longer. The house has been a weekend project for about seven years.

Earth bricks and energy: the "solar adobe"

Properly used, adobe has quite good thermal properties—helping to stabilize the house interior against environmental extremes of heat and cold.

Its function is called "thermal mass": One cubic foot of typical sand and clay adobe mixture can absorb and store 26.4 BTU's of heat energy for every degree

Diagonal *redwood siding (interrupted by drain-tile lights) contrasts with ageless adobe in this New Mexico house. Below, interior walls and beehive fireplace need no plaster coat*

This house in Roswell, New Mexico, uses stabilized adobe inside and out

Gently flowing curves and bold proportions characterize this easy-living home. For it, architect Richard Yates specified stabilized adobe bricks—commercially produced bricks that incorporate an asphalt emulsion in the basic mix of mud and water. Such bricks cost about 50 percent more than plain adobe, but they are essentially waterproof and their more uniform appearance eliminates the need for plaster cover-up.

Fahrenheit its temperature is raised—a bit less than concrete, the most heat-storing (but more costly to work with) building material.

But adobe is also a poor insulator. Alone, it just retards heat penetration on hot summer days and heat loss on winter nights. Early adobe houses owe their thermal effectiveness to the extreme thickness of their walls (up to 3 feet, unreasonable by today's building costs). A contemporary uninsulated brick-thick adobe exterior wall can lose valuable winter heat to the cold outdoors all too rapidly.

By adding large south-facing windows and applying thick insulation—rigid foam is commonly used—to the outside of the rest of the house you have a growing Southwest phenomenon: the "solar adobe."

Its function is deceptively simple. In winter, heat energy from the low winter sun streaming through windows is absorbed by indoor adobe walls and floors, trapped by the insulation, and radiated back into the room at night.

In summer, the exterior insulation and wide overhangs, especially on the south side, keep out heat from the high-angle sun. The adobe absorbs any indoor heat buildup and is cooled at night by venting to the outside so it can absorb the next day's heat.

There are two basic ways of using adobe for heating. We show examples of both at right. An *intermediate wall* of adobe between south-oriented glazing and the living space can intercept the sun's radiation, store it as heat, and radiate it into the rooms at night. A typical adobe brick is just thick enough to slow heat penetration until you need it the most ("thermal lag").

In a *direct-gain* home, the sun's heat penetrates more deeply to reach the normal room walls. Here, the innermost few inches of adobe absorb and release energy for a one-day heating cycle; the deeper layer holds heat longer, for successive stormy days.

Tradeoffs: The direct-gain approach notably lowers building costs and provides a clear south view; but particularly if the double-glazed south windows aren't shuttered at night, this allows greater indoor temperature swings. (But some studies indicate that swings in air temperature are partly offset by the radiant-energy exchange of the body's "seeing" the heat still stored in the walls.)

A sampling of current literature

Literature on adobe includes a growing number of good books and periodicals.

One valuable resource is *Adobe News* (Box 702, Los Lunas, New Mexico 87031; $9.50 for six issues a year).

Adobe: Build it Yourself, by Paul

Performing well *through a snowy winter, house lets sunlight pour through big windows to directly heat massive sculptured room walls (below). It was designed by environmental architect David Wright for Daniel and Doris Fitzgerald*

NORMAN A. PLATE

Graham McHenry, Jr. (University of Arizona Press, Box 3398, Tucson 85722, 1973; $7.95 plus 50 cents postage) does a good job of surveying and giving instructions.

The monthly newsletter of the New Mexico Solar Energy Association reports on state-of-the-art solar adobes. For a one-year membership, send $10 to Box 2004, Santa Fe 87501. □

Today's (and tomorrow's) solar adobes

Here you see two examples of how an ancient building material can combine with solar technology. The *intermediate-wall* house below, with its massive adobe wall behind greenhouse area, was first reported in *Sunset* May 1977, page 146. It's since been occupied by solar authorities Douglas and Sara Balcomb, who report that indoor temperatures in December last year varied only from 67° to 71°—with some wood heat backup. The *direct-gain* house above (also with wood backup) dropped only to 54° after several harsh days. Its north side is buried for further protection.

PETER O. WHITELEY

Adobe wall *hidden behind greenhouse keeps living space temperature stable year-round. Says owner Sara Balcomb: "It takes this house days to realize that something different is going on outside"*

Improvised cases

Not so fancy, but they all work: Ice chest has adhesive-backed weatherstripping around edge for watertight seal. Zip-lock bag (75 cents) and plastic gallon jars (about 70 cents) hold small gear. Use plastic trash-can liners double or triple thickness; carry extras

Navy surplus

Old standbys from the army-navy surplus store: Ammo box is the original on-the-water camera case. Powder canister has brass-threaded lip and lid. Five-foot rubberized delousing bag rolls and ties at top; small rubber-coated canvas bag rolls and buckles. All should sell for under $10

GLENN CHRISTIANSEN

Dilemma

They're all wet, but their gear won't be. It's safe and dry inside a variety of bags and cases tied to the canoe

You get wet. Everything else stays dry

Soft and hard bags and cases. Choices are important

Big and hard (mostly)

A *Rigid polyethylene pack with backpack straps; about $30.* **B** *Coated-fabric bag secures by inner cinch line; $46.* **C** *Plastic pack secured with nylon straps and buckles; $20.* **D** *Plastic box has table legs, backpack attachments; can also be cartop carrier; $85 to $100.* **E** *Polyethylene chemical-storage drum closes with clamp-on steel ring; $12.* **F** *Plastic pail with snap-on lid; $3.50.* **G** *Reinforced vinyl bag with backpack straps; $22*

The softies

A *Water-repellent nylon-sheathed drum lined with ¼-inch-thick foam insulation; lid not watertight inside drawstring; $40.* **B** *Plastic-lined nylon duffle with backpack straps, wraparound zipper, watertight seams; $40.* **C** *Heavy-duty waterproof nylon duffle with full-length zipper, sealed seams; $16.50.* **D** *Insulated, plastic-lined nylon case with plastic zipper; $25.* **E** *Hand-glued rubber bag with hook-and-loop strips securing top and pocket; $25*

The sting of salt spray or a dramatic dunking loses some of its thrill when it leaves you with soggy sandwiches and wet socks (or worse yet, a camera in Davy Jones's locker).

This year there are more types of waterproof storage containers available than ever before. As old army-navy surplus bags and boxes get scarcer, boating equipment manufacturers have jumped into the market. On these pages you see a sampling of what's available for rafting, canoeing, kayaking, and sailing.

First you have to decide whether you want a soft bag or a hard case. A rigid container offers more protection for contents, but a soft one is easier to stow in tight spaces (some inflatable bags offer fine protection for cameras and other delicate equipment).

If you want a soft container, remember that plastic and vinyl bags are subject to puncture; they'll last longer with an outer cover of canvas, polypropylene, or nylon. Check that seams have a waterproof seal. A caution about zippers: If fully submerged, they're likely to leak.

With hard cases, the main concern is the closure mechanism (for more on bag closures, turn to page 42). Check the openings; rubber gaskets help insure a watertight seal. Find out if replacement gaskets will be available from the manufacturer. Also consider whether you'll be portaging the container; some, both hard and soft, come with backpack straps for this purpose.

Workable waterproof storage can be found in many places besides boating supply stores. The sturdy black drum pictured above left comes from an industrial plastics outlet (check under Plastic Containers in the yellow pages), the mayonnaise jars from a restaurant supply store. Zip-lock bags and trash-can liners are widely available (don't use metal twist-ties on bags—knot them instead).

For help in locating the waterproof containers shown here and on page 42, as well as other types on the market, send a large self-addressed, stamped envelope to Waterproof Containers, *Sunset Magazine,* Menlo Park, Calif. 94025. □

Special purpose

Rigid polyethylene case below ($30) with quick-working latches is made for camera, radio, first-aid kit. It floats. Made for canoeists, the fiberglass case at right ($42) clamps to most gunwales, will keep gear dry or refreshments icy (there's a rubber drain plug)

DARROW M. WATT

Grilled *potato slices, crisp chicken wings are picnic fare to enjoy out of hand*

Garden peas *steam in their pods while chile-seasoned chicken quarters cook on the grill*

Chicken and fixings together over charcoal

Easy. Juicy-good. Popular. Inexpensive

Onion-stuffed *chicken is generously brushed with herb butter baste while roasting*

Barbecued chicken is a Western summertime favorite, and for good reason. Few meats can rival its versatility, juicy goodness, and economical price. And it's a simple matter to cook a vegetable right along with the chicken for a whole barbecued meal. It can be as rustic or elegant as the occasion dictates—offer chicken pieces with vegetables you can eat out of hand, or present the whole bird for carving.

For a patio supper, here are chile-glazed chicken quarters to enjoy with steamed garden peas you can eat right from the pod (it's easiest to just put the pod between your teeth, bite lightly, and pull; the peas pop into your mouth).

Chile-glazed Chicken with Peas

- 1 large broiler-fryer chicken (about 3½ lbs.), quartered
- ⅓ cup melted butter or margarine
- 2 cloves garlic, minced or pressed
- 1 teaspoon chile powder
- ¼ teaspoon *each* ground cumin and lime peel
- 2 tablespoons lime juice
- 2 pounds whole, unshelled peas

Rinse chicken and pat dry. Stir together the butter, garlic, chile powder, cumin, lime peel, and lime juice; generously brush over chicken.

Arrange chicken pieces, skin side up, on a greased grill about 6 inches above a solid bed of medium-glowing coals. Cover barbecue and adjust dampers according to manufacturer's directions. Cook 40 minutes, basting several times with remaining butter mixture.

Rinse peas well and place in a cast-iron Dutch oven or frying pan; add 2 tablespoons water. Cover with pan lid or foil; place on grill beside chicken after 40 minutes. Cover barbecue and continue to cook (stirring peas every 5 minutes) for about 15 minutes longer or until chicken is no longer pink near bone when slashed and peas are tender to bite. Let everyone shell own peas and eat with chicken. Serves 4.

For a picnic in the park, marinated chicken wings with grilled potatoes are a good choice. You can cook them together on a large grill in about 30 minutes. If your grill is small, cook them in sequence or cook half the wings and potatoes at a time. While you're enjoying the first batch, the rest can go on the grill.

Chicken Wings with Grilled Potatoes

- ½ cup soy sauce
- 1 clove garlic, minced or pressed
- 1 teaspoon ground ginger
- 2 tablespoons *each* packed brown sugar, lemon juice, and salad oil
- 1 tablespoon instant minced onion
- ¼ teaspoon pepper
- 4 pounds chicken wings
- 4 to 6 large russet potatoes
- Melted butter or margarine
- Garlic salt

Combine the soy, garlic, ginger, sugar, lemon juice, salad oil, onion, and pepper. Place the wings in a heavy plastic bag; pour in soy mixture and close bag. Marinate the wings in the refrigerator for 2 hours, turning bag several times.

Meanwhile scrub potatoes; do not peel. Cut in ¼-inch lengthwise slices, brush cut surfaces generously with butter, and sprinkle with garlic salt.

Ignite 30 to 40 long-burning briquets. When completely covered with gray ash (30 to 45 minutes), spread coals in an even bed about 4 inches below grill. For easy turning, arrange wings in a hinged barbecue basket and place on grill, or simply lay individual wings on grill. Also arrange potato slices on grill. Cook over medium-glowing coals for about 30 minutes, turning as needed to brown evenly, until potatoes are soft when pierced and chicken is no longer pink near bone when slashed. Makes 4 to 6 servings.—*W. L., Oakland.*

When a more sophisticated approach is in order, consider a plump, onion-stuffed whole chicken encased in a crisp, herb-seasoned skin. Use a covered barbecue as directed, or spit-roast according to the manufacturer's instructions.

Onion-stuffed Chicken

- 1 large (about 3½ lbs.) broiler-fryer chicken
- 1 clove garlic, halved
- 1 can (1 lb.) small whole onions, drained
- 2 bay leaves
- ¼ cup melted butter or margarine
- ½ teaspoon pepper
- ¼ teaspoon *each* thyme, oregano, and marjoram leaves
- ¼ teaspoon *each* dry basil and rubbed sage
- 2 tablespoons dry sherry

Rinse chicken and pat dry. Rub cut garlic over chicken skin, then put garlic in body cavity with the onions and bay leaves. Combine the butter, pepper, thyme, oregano, marjoram, basil, sage, and sherry. Spoon 1 tablespoon of the mixture over the onions; reserve remaining mixture for basting. Close cavity and secure with a metal skewer; tie legs together. Also secure neck skin across opening with a skewer and tuck wing tips under, akimbo style.

Ignite 30 to 40 long-burning charcoal briquets. When they are completely covered with gray ash (30 to 45 minutes), bank half on each side with a drip pan in the middle. Brush the bird with basting sauce and place, breast side down, on a greased grill about 6 inches above drip pan. Cover barbecue, adjust dampers according to manufacturer's directions, and cook for 30 minutes. Turn chicken, breast up, and cook 30 minutes longer or until a meat thermometer inserted in thigh registers 185°. Baste bird several times during cooking.

To serve, discard bay and garlic and offer onions with the meat. Serves 4. □

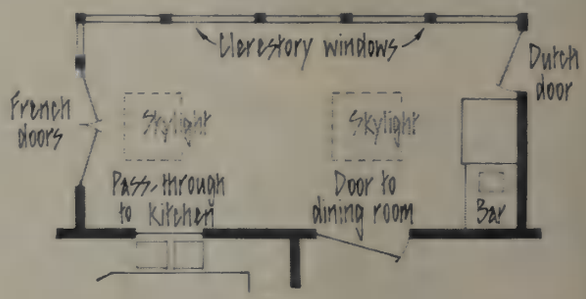
DON NORMARK

This winter-bright room, *with its high windows, light colors, and jungle of potted plants, is a sunny indoor garden any time of the year*

Open pass-through *links the kitchen to the sun room*

Connecting French doors *make sun room an extension of patio in summer*

In Laramie, Wyoming . . . a winter-summer sun room



Seen from patio, *the sun room is narrow but lofty. Its roof meets main house roof at right*

Where winters are long and cold, they can seem shorter if there's a way to bring more sky brightness indoors. Bobbalu and Andrew Hoefer never knew how much winter sunshine Laramie, Wyoming, had until they added a 15 by 28-foot sun room to their house.

Through the winter this room with its collection of plants is *the* place to be. But by June the French doors are open and the Hoefers extend activities to the 12 by 15-foot patio.

The sun room's south wall, facing the patio, is all glass. On the west, clerestory windows 2½ feet high and 5 feet wide sit atop the 7-foot wall so people in the room are shielded from direct afternoon sun. Two 3-foot-square skylights let in more sun to encourage growth in the potted jungle of yucca, dracaena, ficus, ferns, Norfolk Island pine, and palms.

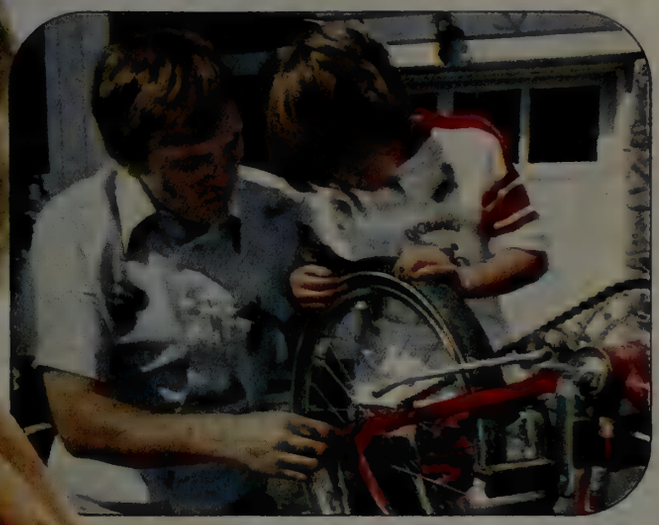
A Dutch door in the north wall provides cross-ventilation when needed. It also opens to a small yard so protected from the wind by house walls and fencing that it's an ideal place to barbecue—even on some winter days.

From the main house you go from the dining area through an open doorway—and one step down—to the sun room. There's also a pass-through window from the kitchen, as pictured above.

To keep the sun room pleasantly warm in winter, ceiling and walls are insulated with fiberglass batts and all glass is double-glazed.

Wall surfaces were painted a bright, light-reflecting white. White-glazed ceramic tiles that the owners brought back from Mexico were laid on the concrete-slab floor (heat ducts from the existing furnace were placed before the slab was poured). The tiles are bright, easy to clean, and undamaged by the drips and spills that often come with large-scale indoor gardening. ▫

"For all of my family's wash... I use Concentrated all"



Now prove to yourself Concentrated **all** with bleach, borax and brighteners knows how to clean. It even gets out oily dirt better than other leading detergents. Concentrated **all** does a terrific job on your whole wash—the colors, the whites, the permanent press. So try it for all of your family's wash... and save 30¢.

30¢ STORE COUPON 128CC 30¢

Save 30¢

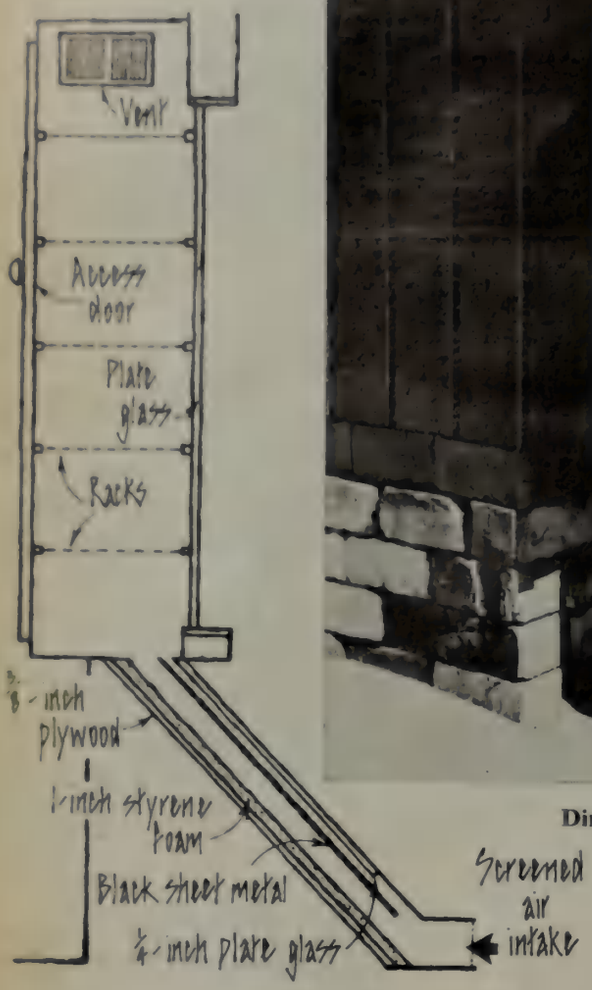
ON NEW KING SIZE CONCENTRATED *all* or (2 Giant Size, 1 Jumbo Size or 1 Home Laundry Size)

To Dealer: We will reimburse you for the face value of this coupon plus 5¢ for handling, provided that you and the consumer have complied with the terms of our coupon offer. This coupon is good only when redeemed by you from a consumer at time of purchasing specified brand. The consumer must pay any sales tax involved. This coupon is non-assignable. Invoices proving purchase of sufficient stock of our brands to cover coupons presented must be shown upon request. Coupons will not be honored and will be void if presented through outside agencies, brokers or others who are not retail distributors of this brand or who are not specifically authorized by us to redeem this coupon. Cash value 1/20 of 1¢. Void if prohibited, taxed or restricted. Lever Brothers Company, Box 1385, Clinton, Iowa 52734. Coupon expires Dec. 31, 1979.

Good only on Concentrated *all*. Any other use constitutes fraud.

30¢ 128CC REDEEM THIS COUPON AT YOUR STORE 30¢

CHARLES CRUSH



Direct sunlight *strikes the fruit through the drying box window; meanwhile, heated air rises through the solar collector to speed the drying process*

Solar approach to fruit-drying

Inside door *opens to reveal five drying racks and vent (upper right)*

The south-facing wall of this garden shed discreetly houses a solar dryer for fruit and vegetables.

Charles Crush of Farmington, New Mexico, cut an opening to allow for a drying box 68 inches high, 28 wide, and 20 deep. From its floor, projecting at the best angle to catch the late summer sun, is a flat-plate solar collector. Inside the collector, black sheet metal set 1 inch under a plate glass top absorbs the sun's energy and heats air drawn in through the front intake.

The rising hot air passes into the drying box, around and through the plastic-screened drying racks, and goes out a vent cut in the west-facing wall. "It works fast," Crush says. "Fruit dehydrates in two days of full sun."

You could install a similar system between the studs in a garage corner, although the drying box would be higher from the ground where the removable collector mounts to its base. □

RIDGEWAY ANNUAL SALE

Here are some of the stores where you can save during the Ridgeway Annual Sale.

ARIZONA
Phoenix — Clocks, Inc.
Tucson — Mitchell Furniture

CALIFORNIA
Bakersfield — Casa Moore Jewelry
Burlingame — William Penn Distributors
Carmichael — Becks Furniture Barn
Concord — H. DeCovenick & Son
Concord — Wooden Horse
Dinuba — Mathis & Bolinger
El Cerrito — H. C. Capwells
Escondido — H. Johnson Furniture
Fremont — H. C. Capwells
Fresno — Slater Furniture Co.
Hayward — H. C. Capwells
La Mesa — La Mesa Furniture
Long Beach — California Time Service
Long Beach — Carl's Furniture
Los Altos — Mohr Clock Imports
Modesto — Clockwise
Modesto — Phillips Electric Co.
Modesto — Roberts Furniture
Monrovia — Sells Furniture
Monterey — Union Furniture Co.
Nevada City — The Nevada Clockery
Oakland — H. C. Capwells
Oakland — The Timepeace
Oceanside — Jones Furniture Co.
Redding — The Clockery
Richmond — H. C. Capwells
San Jose — Traditional Era Clocks
San Luis Obispo — Oliver's Furniture
San Rafael — Clocks Plus
Santa Barbara — Oliver's Furniture
Santa Fe Springs — Santa Fe Furniture
Santa Rosa — Time Square
Tulare — Mathis & Bolinger
Turlock — Souza's Furniture
Van Nuys — Van Gorder Furniture
Ventura — Alberts Jewelers
Walnut Creek — H. C. Capwells
Walnut Creek — Pendulum Galleries
Winton — Hansen's Furniture

COLORADO
Aurora — Legate Furniture
Colorado Springs — Webergs
Denver — American Furniture
Denver — Jack Diamond Sales
Denver — Vogue Furniture
Denver — Webergs
Pueblo — American Furniture Co.

NEVADA
Carson City — Carson Furniture

OREGON
Corvallis — Blackledge Furniture
Eugene — M. Jacobs Fine Furniture
Eugene — Rubensteins Furniture
Portland — Director's
Portland — Olde Time Shop
Salem — Hogg Brothers Furniture
Salem — Rubensteins Furniture
Tigard — Ripleys Maple Shops

SOUTH DAKOTA
Aberdeen — Hay Furniture
Sioux Falls — Dick Ahlers Clocks
Watertown — Zimmers Furniture

UTAH
Ogden — R. C. Wiley
Orem — Christiansen Furniture
Salt Lake City — Granite Furniture
Syracuse — R. C. Wiley

WASHINGTON
Aberdeen — Goldberg's
Auburn — Ken Schoenfeld Furniture
Hoquiam — Ken Schoenfeld Furniture
Lynden — Alsum & Bode
Lynnwood — Ken Schoenfeld Furniture
Olympia — Goldberg's
Richland — Richland Bell Furniture
Seattle — Olsens Furniture
Spokane — Bell Furniture
Spokane — Burgans Furniture
Spokane — Larsen Clock Center
Tacoma — Ken Schoenfeld Furniture
Tacoma — Meiers House of Clocks
West Kelso — United Furniture

Sale dates may vary

RIDGEWAY ANNUAL SALE
SAVE ON A RIDGEWAY GRANDFATHER CLOCK
NOW THRU JULY 31

Now is the time to save up to $300 on a Ridgeway Grandfather Clock.

Here's your once-a-year chance to save from $60 to $300* on an heirloom quality Ridgeway Grandfather Clock. Over 40 magnificent styles are on sale now through July 31. All with beautiful cabinetry handcrafted in Virginia, precision West German movements, and lovely Westminster chimes.

See the Ridgeway Gallery at your local participating dealer. Some of those dealers in your area are listed on the opposite page for your convenience. Styles not carried by your dealer are available through his catalog. Stop by. You'll be delighted at the fabulous values available.

*Based on Mfg. Sugg. Retail Price

VISIT THE RIDGEWAY GALLERY.

FREE: CLOCK STYLE HANDBOOK
Helps you select the clock that best complements your decor. Illustrates 56 styles of floor, wall and mantel clocks in color. Includes price ranges, dealer listing and information on brass ownership plate. Write Ridgeway Clocks, Division of Gravely Furniture Company, Inc., Dept. S-781, Ridgeway, Virginia 24148.

SHUTTLE DIPLOMACY.

THE NEW DODGE DIPLOMAT WAGON GETS YOU THERE AND BACK IN STYLE.

Dodge announces a great way to shuttle people and things from one place to another in unaccustomed comfort and style.

It's called Shuttle Diplomacy.

And it features the elegant new Diplomat wagon.

Optional leather seating

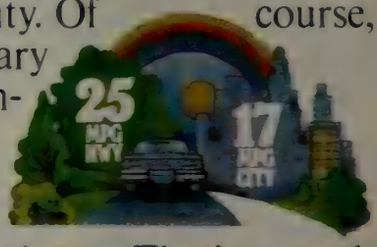
PRICE SHOWN $5846.*

But for $5538.* you'll get a Diplomat wagon with simulated wood-grained exterior trim, power front disc brakes, power steering, and much more.

Naturally, there are a number of exotic Diplomat options, too. Such as 60/40 leather seating. Luggage rack and air deflector. Or station-seeking Search Tune AM/FM stereo. And so forth.

25 MPG HIGHWAY/17 MPG CITY.†

Shuttle Diplomacy also features some pretty good mileage figures. 25 MPG highway, 17 MPG city. Of course, your mileage may vary according to the condition of your car, its equipment, and your driving habits. California mileage is lower. That's according to EPA estimated mileage figures.



Your next move is to your local Dodge Dealer's. Where you can buy or lease a new Diplomat wagon.

*Sticker prices, not including taxes and destination charges. †EPA estimates for 225 two-barrel, six-cylinder engine and manual transmission.

Dodge

A PRODUCT OF CHRYSLER CORPORATION

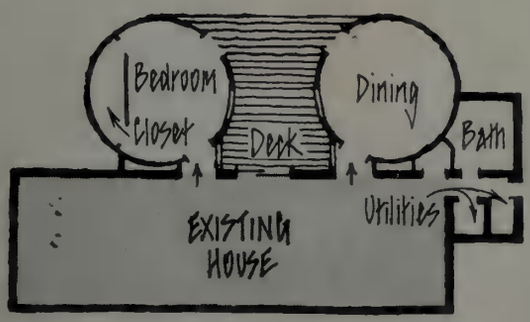
DODGE DIPLOMAT.

DAVID STUBBS

Sleeping in the round. *Closet wall serves as headboard. Large skylight permits fewer windows in walls, adding to privacy*

Twin tanks *surround back deck. Tie rods run from bolted plates at doors across windows*

Step up *leads to dining tank. Thick redwood floors were sanded, coated with oil stain*



New bedroom and new dining room . . . both were cocktail cherry tanks

Two years ago Ray and Rob Brant of Oakland read a classified ad offering 14,000-gallon redwood tanks that had once held cocktail cherries. Knowing a good thing when they saw it, they bought a couple of the 16-foot-diameter, 10-foot-tall barrels for $600 apiece, then dismantled them and—using a design by Don Ross of Lafayette, California—reassembled them as room additions.

The tanks' lumber was stained and had some patches of surface rot, so the Brants used bleaching chemicals and a high-pressure water blaster to clean them up. Since they planned to fill the tanks with furniture rather than cherries, they couldn't count on the wood to swell and make tight joints. So they sawed slots down both edges of the vertical staves and inserted a ⅜ by 2-inch plywood spline at each joint.

The barrels sit on concrete foundations. Each is wrapped with 4 of the 12 original steel rods; where interrupted by doors, the rods were cut and welded to steel plates bolted to the wood.

Steel compression rings form the hubs of the wagon-wheel-style roofs, which are capped by 5½-foot-wide custom-made acrylic skylights. □

CHEZ JOLIE

Vive La France! To celebrate the French flair for elegant living, Sears presents the Chez Jolie Collection

Come let us lead you through the next four pages. See how well Chez Jolie will live in your own home.

Gracious dining for family and friends

How special your guests will feel in these stately cane back chairs. The carved cabriole legs are solid oak.

The same leg design is reflected in the 62-in. x 42-in. oval shaped table which comes with an 18-inch leaf. Matched oak veneers, set in by hand, create a lovely patterned table top. A made-to-size table pad is available.

Delicate carvings, mesh grillwork and antiqued, brass-finish hardware add a true look of quality. Ball bearing drawer guides and drawer stops, too.

Table, 62 in. x 42 in.	
reg. $459.95	Sale $399.00
Side chair	
reg. $135.00	Sale $120.00
China base	
reg. $525.00	Sale $450.00
China deck	
reg. $475.00	Sale $400.00
Arm chair	
reg. $155.00	Sale $140.00
Server	
reg. $475.00	Sale $399.00

Only at

Sears

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Fine china helps make fine food taste even better

So delicate, pretty and yet so durable. Platinum banded edges on both sets.

Rhoda floral china, 45-piece set	
reg. $99.99	Sale $84.99
Engagement china, 45-piece set	
reg. $79.99	Sale $69.99

Custom shop sheer windows gather a room together

20 soft colors. 100% Tergal® polyester sheer fabric. Sears Decorator Consultant will help you choose at home at no charge.

Tergal sheer fabric, 118-in. wide	
reg. $8.00 yd.	Sale $6.40 yd.

Rugs that look like fine French tapestries

Exquisite French Aubusson pattern. Luxurious 100% wool pile. 50 oz. per sq. yd. Woven on jacquard looms in Belgium. Up to 23 colors in a pattern. 3 patterns. 8 sizes on sale.

Kismet Classic rug, 8¼ ft. x 11¾ ft.	
reg. $599.99	Sale $499.99
5½ ft. x 8¾ ft.	
reg. $349.99	Sale $299.99

In most larger Sears retail stores. Prices may vary in Alaska and Hawaii.

SALE

June 25 through July 22, 1978

CHEZ JOLIE

Sears Chez Jolie Collection

Fill your bedroom with flowing curves and gentle carvings.

Notice how solid oak is softened with curves so even large pieces fit gracefully in any room. Notice how oak veneers have been set in by hand to add interest to flat surfaces. Notice, too, how the antiqued brass-finished hardware matches the carvings.

Triple dresser	
reg. $595.00	Sale $490.00
Mirror	
reg. $150.00	Sale $120.00
Chest	
reg. $575.00	Sale $480.00
Headboard, full/queen	
reg. $279.95	Sale $209.00

Save 25% on 40 solid colors of Sears antique satin draperies and bedspreads.

Baroness Made-to-Measure draperies. 69% rayon, 31% acetate. 40 antique satin solid colors. Lots of options.

Matching throw or fitted bedspreads in standard sizes. Double needle quilted, filled with lots of lofty polyester and backed with 100% cotton. A jumbo cord hem trims the throw style.

Bedspread, full size	
reg. $75.00	Sale $56.25
Drapery, 48 in. x 84 in.	
reg. $35.00	Sale $26.25
Pouf Valance, 48 in. x 15 in.	
reg. $27.00	Sale $20.25

Welcome lamps that stand out like pieces of sculpture

Massive crackle-glaze bases, linen-look shades and padded edge trims. The Bas Relief lamp (not shown) has a charming raised floral pattern.

Temple Jar or Bas Relief lamp	
reg. $69.99	Sale $59.99

SALE

June 25 through July 22, 1978

Carpet your home in a deep, rich plush that looks and feels like velvet.

Sears magnificent Dream Supreme carpeting. Almost one inch thick. Fifty-three ounces of extra soft 100% Trevira® polyester pile in every square yard! Treated with SCOTCHGARD® Brand Fabric Protector. 20 colors.

Dream Supreme carpeting	
reg. $12.99 sq. yd.	Sale $11.99 sq. yd.

Sears Custom shop bedrooms bloom like April in Paris

Save $25 on all sizes of this luxurious floral Custom quilted bedspread. Also available in soft tones of rose or gold. 100% heavy cotton fabric. Everglaze® finish. Outline quilted. Six ounces of lofty polyester fiberfill per square yard. 100% polyester challis lining.

Save 20% on the matching drapery fabric, on sale for $5.60 per yard. 36 inches wide. 3 colors.

Save 20% on Tergal® polyester sheer fabric, on sale for $6.40 per yard, 118 inches wide, 20 colors.

Bedspread, full size	
reg. $150.00	Sale $125.00

In most larger Sears retail stores. Prices may vary in Alaska and Hawaii.

Only at

Sears

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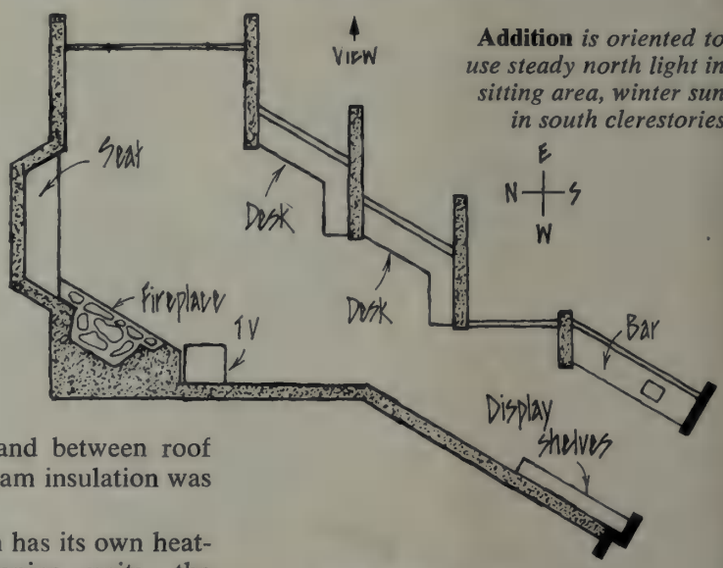
NORMAN A. PLATE

Fifteen-foot ceiling *and light-reflecting white walls provide an open, luminous space for seating arrangements*

The odd shape is what makes the room



Addition *is oriented to use steady north light in sitting area, winter sun in south clerestories*

"A defect is sometimes a plus," says architect Judith Chafee of Tucson. "If we hadn't had to work with the angles of an oddly shaped lot, the shape of this addition would have been much less interesting."

When owners John and Cecile Dahm built this extension to their Tucson home, they wanted work space for their hobbies and storage space for craft materials as well as a place for informal entertaining. The convenience and comfort of the new area pleased them so much that they now spend most of their time there.

In an architectural tradition of the Southwest, Chafee used natural materials throughout: Douglas fir for structural members and cabinetry; rough hand-troweled plaster for the walls; Mexican quarry tiles for the floor; native stone for the fireplace and hearth.

Everything was designed to save energy. Urea-formaldehyde foam insulation was poured into hollow centers of concrete block walls. Fiberglass batts fill the spaces in stud walls and between roof joists. Polyurethane foam insulation was used on the roof.

And since the addition has its own heating and air conditioning units, the Dahms save energy by heating and cooling this area independently. □

Angled work spaces *follow partition walls. John Dahm is working on macramé; Cecile Dahm is busy with sewing*

Hang up your life-style.

Set [illegible] Mason ASID of [illegible]

Whatever's important to you is worth remembering . . . and worth showing off, in unique photographic screens, cabinet doors and wall arrangements. So whether you like to ski, to surf, or watch the sun set, hang it up—make a dramatic splash, cheer up a dark room, show off your family portraits, put your hobbies on display . . . all with photographic art.

Talk with your professional photographer or interior designer today, to fit about how you can turn your home into a unique "art" gallery. While you're there, pick up our free idea book on "Decorating With Photographic Art."

And to help make all your pictures look good, make sure Kodak paper is behind them. If you don't see the words, "This paper manufactured by Kodak," it isn't Kodak paper.

Just look for this sign in the photography studio.

[illegible] Kodak Company, 1978

DARROW M. WATT

A puff of wind . . . and metal music. *Variations in size and shape produce a wide range of sounds. Wood will weather, metal rusts with exposure. Nylon fishing line suspends these wind chimes from a tree branch*

Striker *for copper pipe wind chime is electrical fixture faceplate balanced with washers*

Wind chimes . . . you assemble metal pieces, all of them suspended

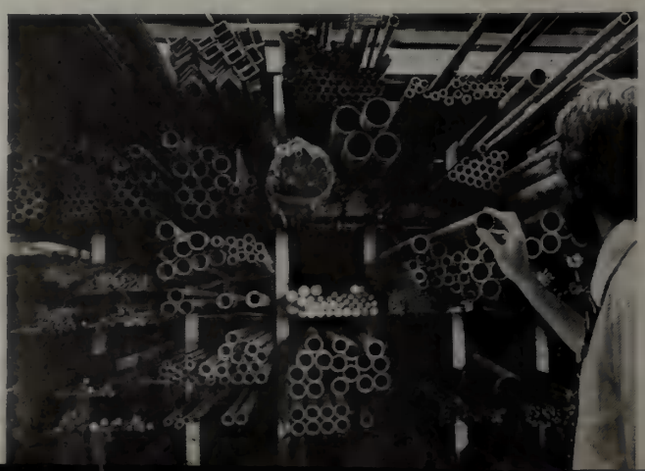
A metallic symphony conducted by the wind comes spilling from these wind chimes. They're assembled from items commonly found in hardware stores or scrap metal yards.

You can make wind chimes from almost anything metal. Browse through a hardware store, trying to overlook a metal object's intended use—it's the sound that counts. Heavy washers can emit a delicate ringing when struck; copper plumbing pipe suspended in the air chimes like a bell. For a variety of sounds and shapes, cut pipe to varying lengths with a hacksaw and file edges smooth.

To unlock melodious sounds from these unlikely objects, they must be suspended. All the wind chime elements in the photograph at left hang by durable nylon fishing line (we used 40-pound test for the heavier ones). Pass the fishing line through small holes drilled in the top of each element, knotting the end of a single strand so it won't pass through the hole or running a loop through two holes drilled in the end of a pipe.

To assemble your wind chime, attach the elements to the top piece in a symmetrical pattern. Tie the lines to eyescrews, thread them through small holes, or tack them in place.

Chimes ring when they strike each other or are hit by a striking mechanism. A lightweight, broad-surfaced object attached to the striker (such as the toilet bowl float and the thin wooden square in the photograph) will catch the wind and move the striker into the chimes. □



Copper pipe *is sold by the pound at this salvage yard; you cut to desired length. Diameter and wall thickness determine sound quality*

Please disregard the following crass commercial announcement.

Because Qantas wants you to come see Australia –and me.

100 things to see and

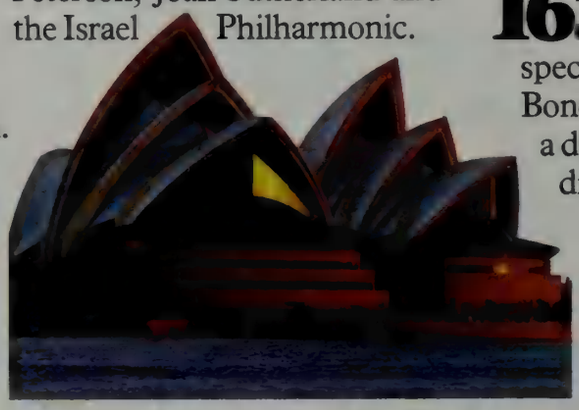
1. Come see the wonders Down Under. They could well turn your world upside down.

2. Watch a kangaroo go. At Tidbinbilla they hop to it at better than 30 mph. **3.** Come visit a friend or relative. Even if you don't know any Aussies, come visit anyway. Because the natives are friendly and they speak your language.

4. Catch a train. Ride the plush Indian-Pacific Express across the continent. On the way you'll whistle across the Nullarbor Plain, the longest, straightest stretch of railroad track on earth. **5.** Buy a boomerang from a man called Mulga Bill and chances are he'll throw in some instruction for free.

6. Hotdog in the Australian Alps where Mt. Kosciusko towers over a snowfield larger than all Switzerland. **7.** Sample our wines. Europe's greatest grapes. Australia's sun and soil. Result: wines like the Hunter River clarets and Barossa Valley whites. Outstanding, indeed.

8. See the soaring sails of Sydney's $100 million opera house. Orchestra seats: about $10. You could see the likes of Oscar Peterson, Joan Sutherland and the Israel Philharmonic.



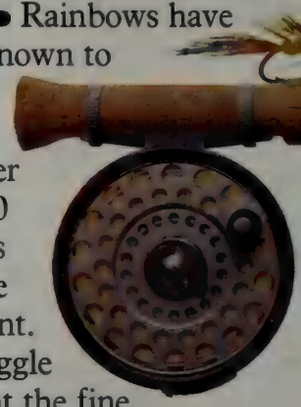
9. Or add to your rock collection. The local scene produced the Bee Gees, Helen Reddy, Peter Allen, Olivia Newton-John. Catch a rising star like Renee Geyer or a new group like Dragon who hit with "April Sun in Cuba." **10.** Go to jail. Stand in the tiny cell where Ned Kelly, the notorious bushranger, was incarcerated. Listen. You may hear the echo of his mother's voice, "Mind you die like a Kelly, Ned."

11. Ride a Murray River paddle steamer. From Goolwa to Mypolonga to Munnum to Swan Reach. And back.

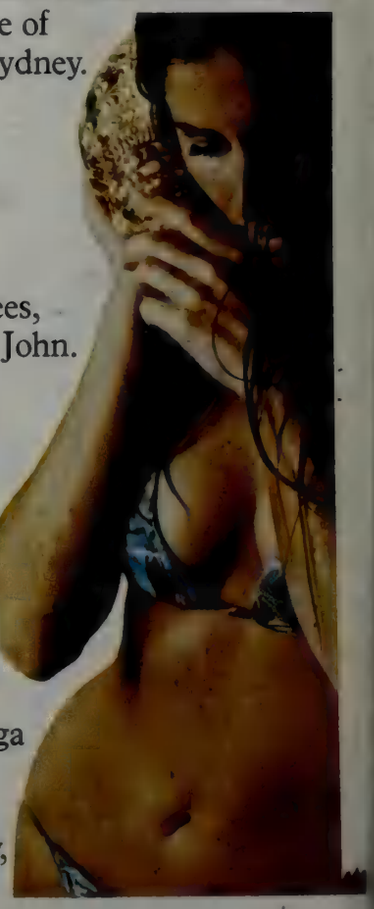
12. Harry's Cafe de Wheels in Wooloomooloo caters to society, stevedores and Sydney's night people.

13. For lunch, pick a hot meat p Take a bite Now you kn why they outse hamburgers Down Under. **14.** And to go alo with it, hoist Aussie beer. It's light and it go down easy. But careful! The stu got a kick like a kangaroo.

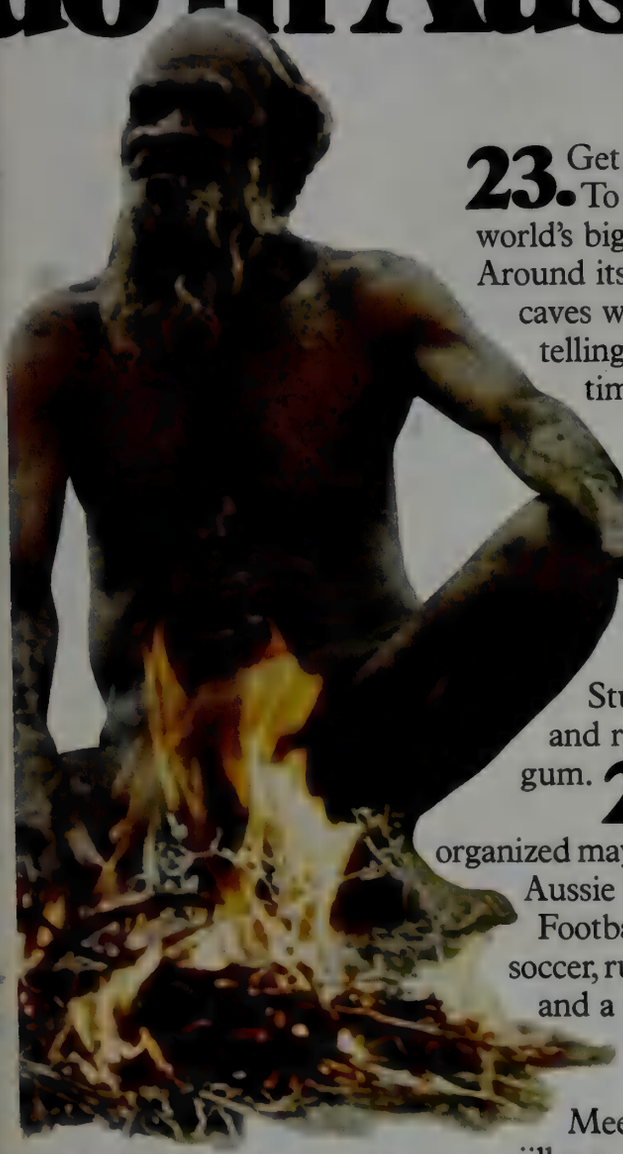
15. Tie a fly and land a fish Rainbows have been known to tip the scales at better than 30 pounds at Lake Crescent.



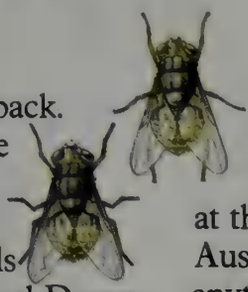
16. Boggle at the fine specimens of bronzed bikini o Bondi Beach. Or hang ten at an a dozen beaches within an hou drive of Sydney.



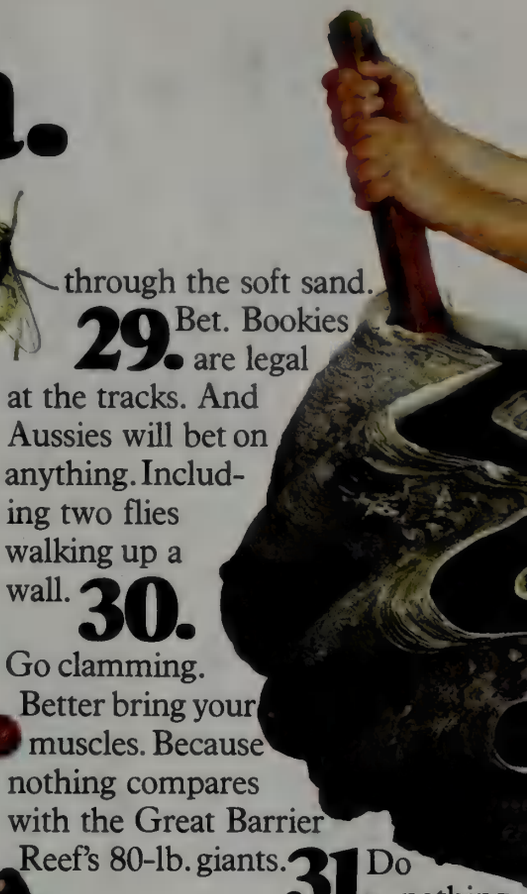
do in Australia.

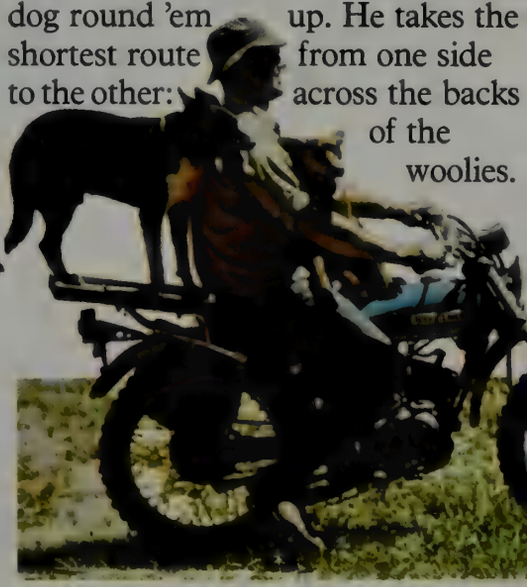


7. Play a didjeridoo, an Aborig-
inal musical instrument. Go
ad, you can play it. There's only
note. 18. Order a thick sirloin
stuffed with Sydney
ck Oysters. Tell the waiter you want
rpetbag. 19. See a city stop. On
the first Tuesday
November, when they run the Mel-
rne Cup, all Australia stops.
en as the thoroughbreds
nder home, a nation
ers itself hoarse.
0. Rent a car. And
kindly remember,
alas have the right of way.
21. Fly over the water on the
hydrofoil to Manly. On the
y you'll see Pinchgut, an island
tress named for the short rations fed
nvicts more than a century ago.
22. Buy a prize merino ram. About
$30,000. Or buy a sheepskin
g you'll prize. Less than $30.



23. Get out to the Outback.
To Ayers Rock, the
world's biggest monolith.
Around its base lie secret
caves with painted walls
telling of the Aboriginal Dream-
time. 24. If you're wild for
wildflowers,
Western Australia's the
place with more than
6,000 species. Among
them: bottlebrush,
kangaroo paw,
Christmas tree,
Sturt's desert pea, wattle
and red flowering
gum. 25. Catch
the
organized mayhem called
Aussie Rules
Football. It's like
soccer, rugby, basketball
and a marathon rolled
into one. 26.
Meet a jackeroo. Or a
jilleroo. They're young
ranch hands learning the business
on a sheep station. Today you'll
find 'em using horsepower as well
as horses. 27. Stare at stalactites
and stalagmites.
At Jenolan Caves. 28. At the
Henley-
on-Todd Regatta in Alice Springs,
the competing 12-meter yachts are
bottomless. And the course is a
dry riverbed. The crews lift the
craft thigh-high and charge
through the soft sand.
29. Bet. Bookies
are legal
at the tracks. And
Aussies will bet on
anything. Includ-
ing two flies
walking up a
wall. 30.
Go clamming.
Better bring your
muscles. Because
nothing compares
with the Great Barrier
Reef's 80-lb. giants. 31. Do
nothing.
Lie in the sun at Surfers' Paradis
32. On a sheep station outside
Canberra you can see a she
dog round 'em up. He takes the
shortest route from one side
to the other: across the backs
of the
woolies.





33 to 100. They're in
our big, n
Qantas Australia Tour Book. It's fr
Mail the coupon or see your Travel A
Because the odds are 100 to 1 you'
lots to see and do Down Under.

Qantas P. O. Box 747B, Addison, IL 60101

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Visiting friends or relatives in Australia? ☐

Travel Agent _____

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QANTAS

The Australian Airline.

Thank you for resisting that blatant appeal from Qantas. And now, back to your reading.

NORMAN A. PLATE

Sideboard and shelves *fill niche between kitchen and dining room. Sliding glass panels behind them, not clearly visible in this photograph, open for pass-through*

Sideboard niche connects two rooms

Two purposes are served by the niche between kitchen and dining room in this Long Beach, California, house: It lets the kitchen share the dining room's splendid view and natural light, and it ties the two rooms together so that dinner guests can maintain some contact without getting in the cook's way.

The niche is 62 inches wide, 95 inches high. A sideboard, custom-made for the space, hangs between the side walls and fits against the half-height back wall. Above it, three 12-inch-deep shelves of ½-inch plate glass hold art objects. Two recessed spotlight fixtures on a dimmer switch send light down through the shelves to illuminate the objects and the sideboard below.

To preserve the sense of openness yet confine noise and aromas to the kitchen, designer Tom Schultheis installed a pair of sliding glass panels on the kitchen side (one slides over the other). These are opened only occasionally, usually when a sizable party makes it convenient to use the space as a pass-through for placing food on the sideboard.

In the evening, with kitchen lights off, the glass doors reflect the lights of the dining room area, making the kitchen disappear. □

You work hard to decorate your home. Don't spoil the effect with an imitation ceiling fan. Hunter has been around since 1886 and they were the first company to make the authentic ceiling fan, the one shipped to India, Africa and the rest of the world at the turn of the century. Your decorating deserves an original, a modern day energy saver.

Hunter makes this original fan in a wide range of styles from about $150 to $400. Select the blades, the color, the light adapter kit that suits your home best. See the entire collection in our Hunter catalog. Send 50¢ to Hunter, 2500 Frisco Avenue, P.O. Box 14775 A, Memphis, Tennessee 38114.

We'll also send you a special consumer report that shows you how much energy you can save year 'round with your Hunter original.

This weekend start saving from 5% to 30% on home fuel costs.

This family has and so can you with M-D® energy saving products for do-it-yourselfers.

Homes that allow air infiltration and leakage around doors and windows and cracks and crevices waste energy and money. M-D energy saving products can save you money on home heating and cooling costs.

Your local hardware, building supply or home center dealer has quality M-D caulks, thresholds, door bottoms and other weatherproofing products to get you started saving energy this weekend.

Plus, you'll find some helpful hints on how to spot and stop energy wasters around the home in M-D's 12 page booklet, "How to Save Money with Energy Saving Products." For your copy, just send 25 cents in stamps or coin to:

MACKLANBURG-DUNCAN CO.
Dept. SL3
Box 25188
Oklahoma City, Oklahoma 73125

It's fun to make saving energy a family affair. Why not get started this weekend.

Covered cushion *slips into beach towel compartment for a comfortable pillow*

Snaps on pockets *keep book, suntan lotion securely in place*

Beach towel with pockets

Secret hiding places abound in this quickly sewn beach towel. Its multiple pockets give you a place for a pillow when you're sunning and keep many small belongings within easy reach.

To make it, you need two matching beach towels. Fold one into fourths, crosswise, and cut off a fourth at each end. Set aside the middle piece for later.

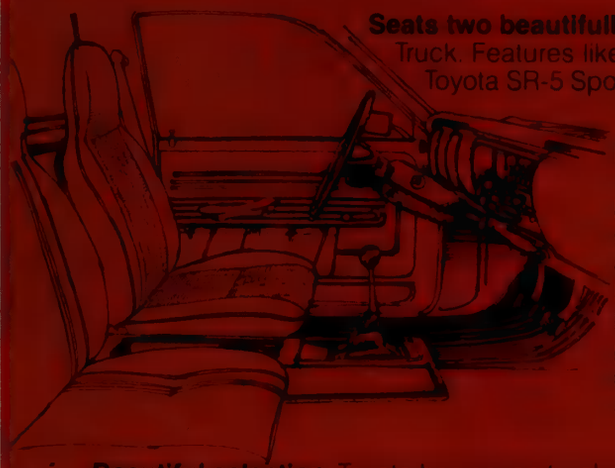
Hem the cut edge of both end pieces. Then pin one piece over each end of the whole towel, right sides up and hems facing center. (Edges should be even and patterns—if any—should match.) Topstitch each rectangle to the towel along the three outer edges, forming a large pouch at both ends.

Straight topstitching will divide pouches into smaller pockets for books, tanning lotion, glasses, keys, and other gear. Leave a 14-inch pocket at one end for a cushion. Sew snaps along the hemmed edges to close them.

To make the cushion, cut a piece of 2-inch-thick foam to fit the pocket. Cover it with the remaining piece of towel. □

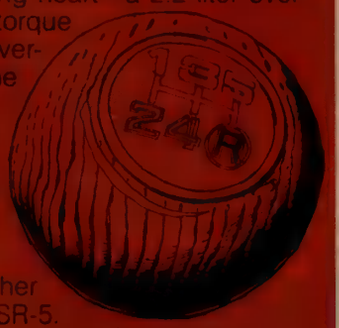
SLEEPING BEAUTY

Here's a combination you could love for looks alone. But its practicality is even more beautiful. When you add a camper cap to a Toyota SR-5 Long Bed Sport Truck, you'll have a pick-up bed you can really bed down in. Seven long feet of pick-up bed, in fact. Take the cap off, and your Toyota Truck is great for hauling motorcycles, brass beds, whatever you're into.



Seats two beautifully. Genuine sports car touches wake up the real beauty in the SR-5 Sport Truck. Features like hi-back bucket seats. A floor console. Carpeting. And tinted glass. The Toyota SR-5 Sport Truck even comes standard with an AM-FM radio.

Beautiful machinery. It's built from tough parts. Beneath the eye-catching exterior of every Toyota Truck beats a strong heart—a 2.2 liter overhead cam engine that's the biggest, highest-torque standard power plant in its class. A 5-speed overdrive transmission brings out the best the engine has to offer. And power assisted front disc brakes contribute to good road manners. Tough parts. All of them. And we put 'em together to stay together. That's why we say, "If you can find a better built truck than a Toyota... buy it!"



Beautiful selection. Toyota has seven truck models—more economical models than any other truck in its class. Everything from basic Standard Beds to decked-out numbers like this SR-5. Beautiful!

Hanging lamp . . . an upside-down nursery basket

A wire basket from a garden nursery, turned upside down and covered with fabric, can become a striking shade for a hanging lamp. You could match the fabric to curtains or furniture covers, or tie-dye your own material, or simply choose an appealing pattern. No special skills and only basic tools and a sewing machine are needed for the project.

In addition to the hanging basket frame (about 18 inches in diameter) and the fabric, you'll also need an 8-inch plastic pot saucer; about 15 feet of metal, rattan, or macramé chain; 12 inches of 24-gauge wire; about 3 yards of elastic cord or tape; and two swag hooks.

The electrical supplies you'll need include about 15 feet of clear lamp cord, light socket without switch, on-cord lamp switch, wall plug, and a ⅜ by 1-inch threaded nipple with two nuts.

Caution: this lamp is designed for a light bulb of 60 watts or less. If you want to use a larger, hotter bulb, replace the plastic saucer with a brass base cap from an electrical supplies store and use a porcelain socket. Choose a fire-resistant fabric for the lampshade (ask at a fabric store for suggestions).

We tell how to wire in the light socket in the photograph captions.

Here's how to make the fabric shade: With a cloth tape measure, find the circumference of the wire basket rim; add 1 inch to allow for seams. Next, measure from center top of wire basket to rim; add 4 inches to allow for casings. The resulting dimensions will be the length and width of fabric needed.

For example, the wire basket we used

DAVID STUBBS

Batik fabric *makes a unique shade. Attach on-off light switch within easy reach*

Admiral re-invents for her:

Flexible freezer space. Makes it easier to fit hard-to-fit foods.

Fast-freeze area, too.

Controls up front instead of behind the mayonnaise.

Vari-Cold meat keeper that keeps meat fresh longer.

Shelves that move easily and adapt to your needs. Allows you to stuff it to the gills.

Sealed crispers. No one likes wilted lettuce.

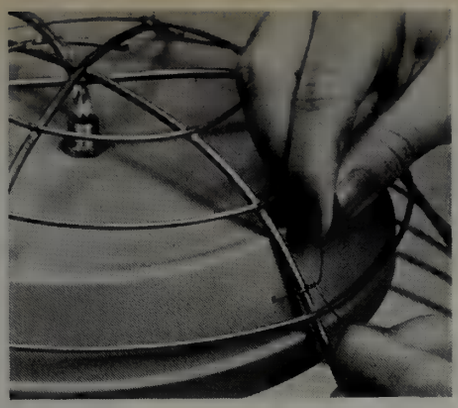
Rounded corners. A liner with no seams or crevices (even in the nooks and crannies). A cinch to clean.

Adjustable and removable bin system lets you rearrange the space instead of the food.

1 • *To mount socket, drill a ⅜-inch hole in center of plastic saucer. String first nut onto lamp cord; thread cord through hole in saucer. Thread on nipple with second nut. Secure cord ends to terminals.*

Screw socket on nipple and push nipple through hole. Tighten nuts on both sides.

Drill small holes in pairs at three equidistant points on rim, matched to wire basket frame



2 • *Secure saucer to inside of wire basket frame with small lengths of 24-gauge wire. Snip off excess wire after twisting*

3 • *Safety pin leader makes it easy to thread elastic cord through casings. Pull elastic tight to gather fabric around frame*

has a circumference of 57 inches and measures 14 inches from top to rim. For a basket this size, the measurements would be 58 by 18 inches. If you don't have a piece of fabric the correct size, make one by stitching two pieces together.

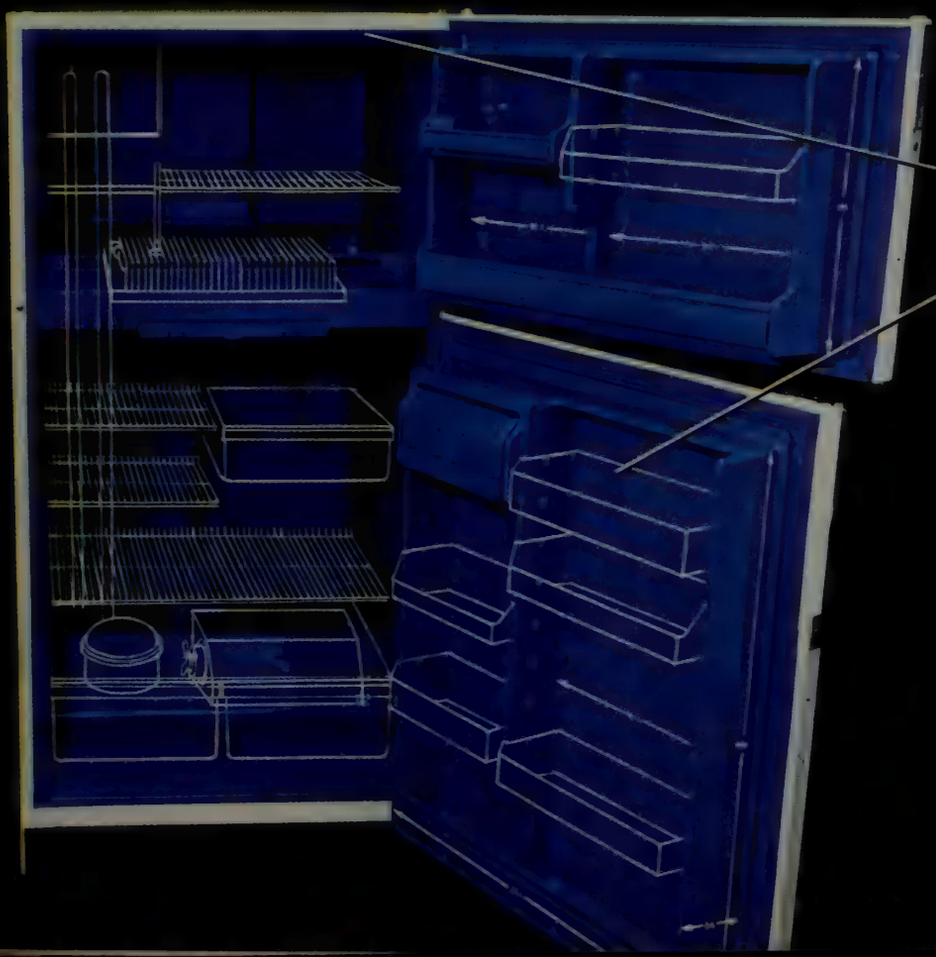
With right sides of the material together, join the short ends of the rectangle with a ½-inch seam, forming a tube.

To make casings, turn up 2 inches at top and bottom edges of tube, folding seam allowances flat. Sew casings, leaving about 1 inch unsewn in order to thread elastic. Then thread elastic loosely through casings (use a safety pin as a leader) and secure ends temporarily.

Fit fabric tube over wire basket. Pull elastic in top casing to gather fabric as tightly as possible; knot ends to secure. Next, pull and secure elastic in bottom casing. Slipstitch casings closed.

To hang, attach chain to center top of frame and to swag hooks in the ceiling. Attach the on-cord switch wherever it's convenient and wire on the wall plug. □

the refrigerator for him:



Beefed-up foam insulation means real savings on electric bills.

Doors 5½" deep. Helps seal in the cold and accommodates everything from six-packs to pickle jars.

Energy-saving design works full-time to save electricity. No switch to remember.

25% fewer parts than our older-style refrigerators.

Full one-year warranty, additional four-year limited warranty on the sealed system.

Before you buy a new refrigerator, take a look at Admiral. Together. Admiral Group, 1701 East Woodfield Road, Schaumburg, IL 60196

Rockwell International

"You don't buy a faucet every day. So when you do, make it a Moen."

"There are a lot of things you should consider before you buy a new faucet.

Like the way it's put together. Does it have a lot of complicated parts that will cause problems? How does it handle? Who makes it – is it a quality product?

That's why I say make it a Moen.

First off, everybody goes for Moen's smooth, good looks – no grooves to catch dirt.

Next, Moen's patented cartridge has no washers, grommets, seats or springs. So you can easily replace the cartridge, and your faucet is like new again.

Another thing: Moen's patented Flow-Rator™ saves water up to 25% over regular aerators on other single-handle faucets.

Moen has a different kind of convenience, too. You can choose the temperature *before* you turn it on – and save a lot of fiddling around for the right temperature after the water's on.

With all these things Moen offers, you can save thousands of gallons of water every year, and the energy it takes for the heated water that's wasted.

So when you're ready to make it a Moen, look me up."

Moen plumbers are listed in the Yellow Pages. Moen single-handle water appliances for kitchen, lavatory and bath.

Moen, a Division of Stanadyne, Elyria, Ohio 44035.

MOEN®

NORMAN A. PLATE

Five bikes park *at an angle in 3-foot-deep garage shed; there's room enough to get them in and out without scratching the car*

Angle parking for five bikes

Pushing their garage's side wall out 3 feet solved a bike storage problem for the Maveety family of Palo Alto, California. Now there's enough space to angle-park five bicycles and roll them in and out alongside a parked car.

The bike shed has a new foundation poured flush with the garage floor. Carpentry is straightforward: stud walls, a shingled shed roof, and redwood siding that matches garage walls.

A 4 by 12-inch header spans the 16-foot opening. If you plan to build a similar shed yourself, remember the standard method of cutting an opening in a load-bearing wall: support existing rafters with a temporary beam and posts about 2 feet from where you'll knock out the wall; cut the opening; install the new header on trimmer studs at each side; then remove the temporary supports. □

AMANA RECOMMENDS SARAN WRAP BECAUSE IT GOES BOTH WAYS.

It's one thing for us to suggest that you use Saran Wrap** brand plastic film

in your microwave oven. But that suggestion carries more weight coming from the makers of a leading brand of microwave ovens. Amana*.

Amana recommends the use of Saran Wrap in its Radarange* microwave oven. Because it provides fast, even cooking without spattering. And because it traps in freshness and moisture so your food comes out with better taste and texture.

But Amana doesn't stop there.

Amana also recommends Saran Wrap for use in its freezers. To help keep out air, seal in moisture and seal out the flavor of other foods.

So Amana goes all the way from the freezer to the microwave oven and back again with Saran Wrap.

Seldom does a product recommendation go to such extremes.

Note: SARAN WRAP is not to be used in a conventional oven or with the browning element in microwave ovens.

*Amana and Radarange are registered trademarks of Amana Refrigeration, Inc. for microwave ovens.

**Trademark of the Dow Chemical Company.

SARAN WRAP.
RECOMMENDED BY AMANA.

1 • *Unlock side latches. Note neat outside appearance*

2 • *Push top two panels up. They rest securely against frame*

3 • *Rotate and drop bottom panel to serving height. Outside of glass is now serving counter*

NORMAN A. PLATE

Window folds out for a counter

4 • *Quick-change artist is now ready at serving height for hungry swimmers*

You can't buy this window off a shelf. Its unique hinging and bracing system was custom-designed for Allan and Jan Tate of Sharon Heights, California, by Clyde Chevrette. But if you like the idea of a window that converts to a serving shelf/pass-through, you may be able to persuade an aluminum-sash window fabricating firm or welding shop in your area to do similar work.

The top two panels are ¼-inch safety plate glass. They are hinged where they meet and at the top. Undo side latches, and they fold up out of the way to rest firmly against the window frame.

Then you reach in from the outside, push out the bottom of the lower, ⅜-inch-thick panel, rotate it so that its outer side is up, and drop it into position.

The panel has pivoting, 6-inch extension bars on both sides; by means of these, it can be rotated inside out. When the panel is in serving position, hooks welded to the window edges secure it to the window frame, and recessed braces drop down for added support. □

SUNSET

Stain over paint?

Now you can give your home the beauty of Olympic Stain, no matter how many times you've painted it before.

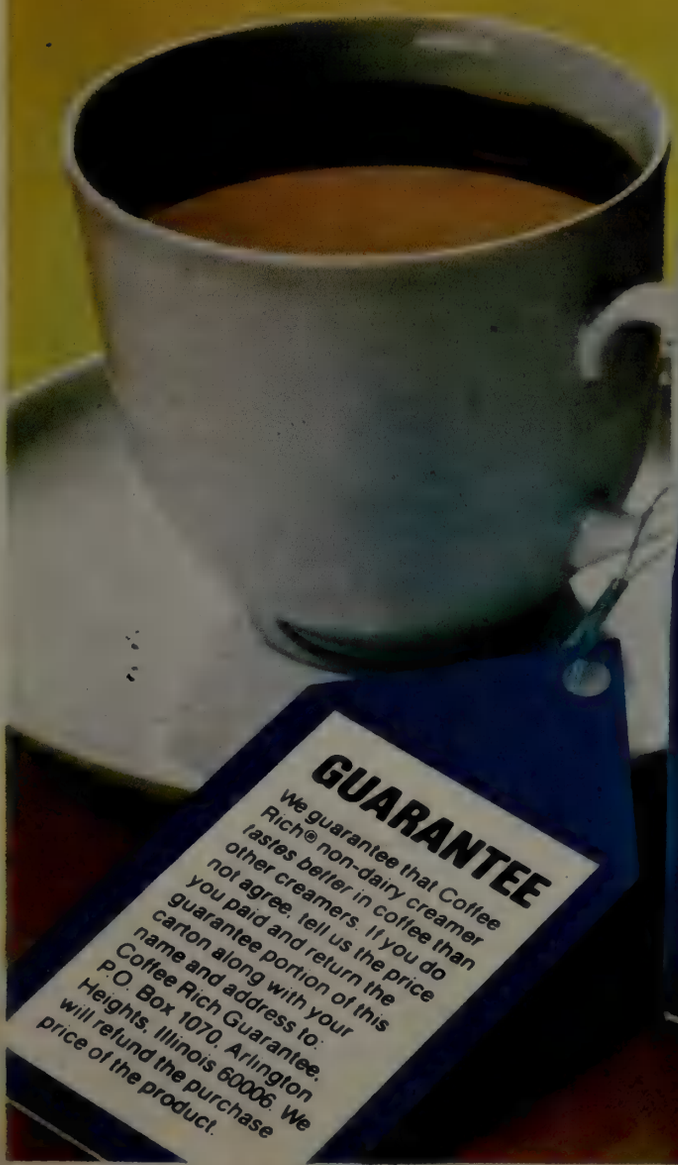
Olympic Acrylic Latex Stain hides paint beautifully with soft, solid color. It gives your home a rich mellow look, along with a tough acrylic finish that lasts for years. Cleans up easily with soap and water, too.

Olympic Latex Stain is also perfect for redoing any solid color stain. Available in 30 colors. Just follow easy label directions. For more information, see the Yellow Pages for your Olympic dealer, or write: Olympic, 2233 112th Ave. N.E., Bellevue, WA 98004.

There is a difference. Only Coffee Rich® non-dairy creamer guarantees good taste.

All creamers may look the same in coffee. But only Coffee Rich® is guaranteed to taste good. Try it instead of your usual creamer. We'll refund the purchase price if you don't agree that Coffee Rich tastes better! (Details of the Coffee Rich money-back guarantee are printed on the carton.)

Look for Coffee Rich in your grocer's freezer. Try it just once. You'll taste the difference!



GUARANTEE

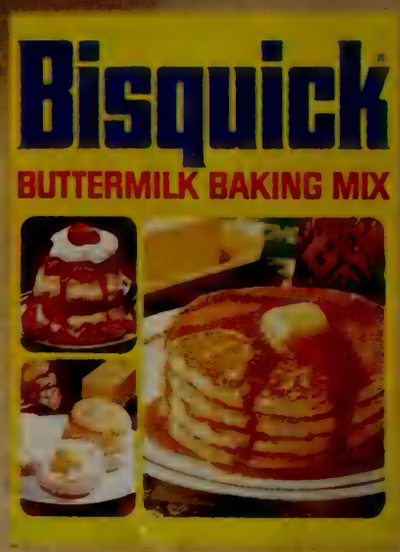
We guarantee that Coffee Rich® non-dairy creamer tastes better in coffee than other creamers. If you do not agree, tell us the price you paid and return the guarantee portion of this carton along with your name and address to: Coffee Rich Guarantee, P.O. Box 1070, Arlington Heights, Illinois 60006. We will refund the purchase price of the product.

Bisquick® makes one as easy as the other.

Mix. Spoon. Bake. That's all it takes to make light, fluffy pancakes or a Festive Sherbet Shortcake. It's that simple.

With over 45 years of quality and experience, Bisquick makes even the simplest recipe taste sensational.

To make pancakes, just follow the easy recipe on the back of the Bisquick box.



FESTIVE SHERBET SHORTCAKE

2 ⅓ cups Bisquick® baking mix
3 tablespoons sugar
3 tablespoons margarine or butter, melted
½ cup milk
Sherbet
3 cups mixed fresh fruit or 2 packages (10 ounces each) quick-thaw mixed fruit, thawed

Heat oven to 425°. **Mix** baking mix, sugar, margarine and milk until soft dough forms. **Spoon** into ungreased square pan, 8x8x2 inches; spread evenly. **Bake** until golden brown, 15 to 20 minutes. Cool; cut into 6 equal pieces. Split shortcakes; spoon sherbet between each. Top with fruit. Garnish with whipped cream if desired. 6 servings.
High Altitude Directions (3500 to 6500 feet): Heat oven to 450°. Use square pan, 9x9x2 inches, and bake 10 to 12 minutes.

Bisquick. Something good always comes of it.

NORMAN A. PLATE

Redwood unit *is seat, table, plant stand—or, with lid off, mid-patio sandbox*

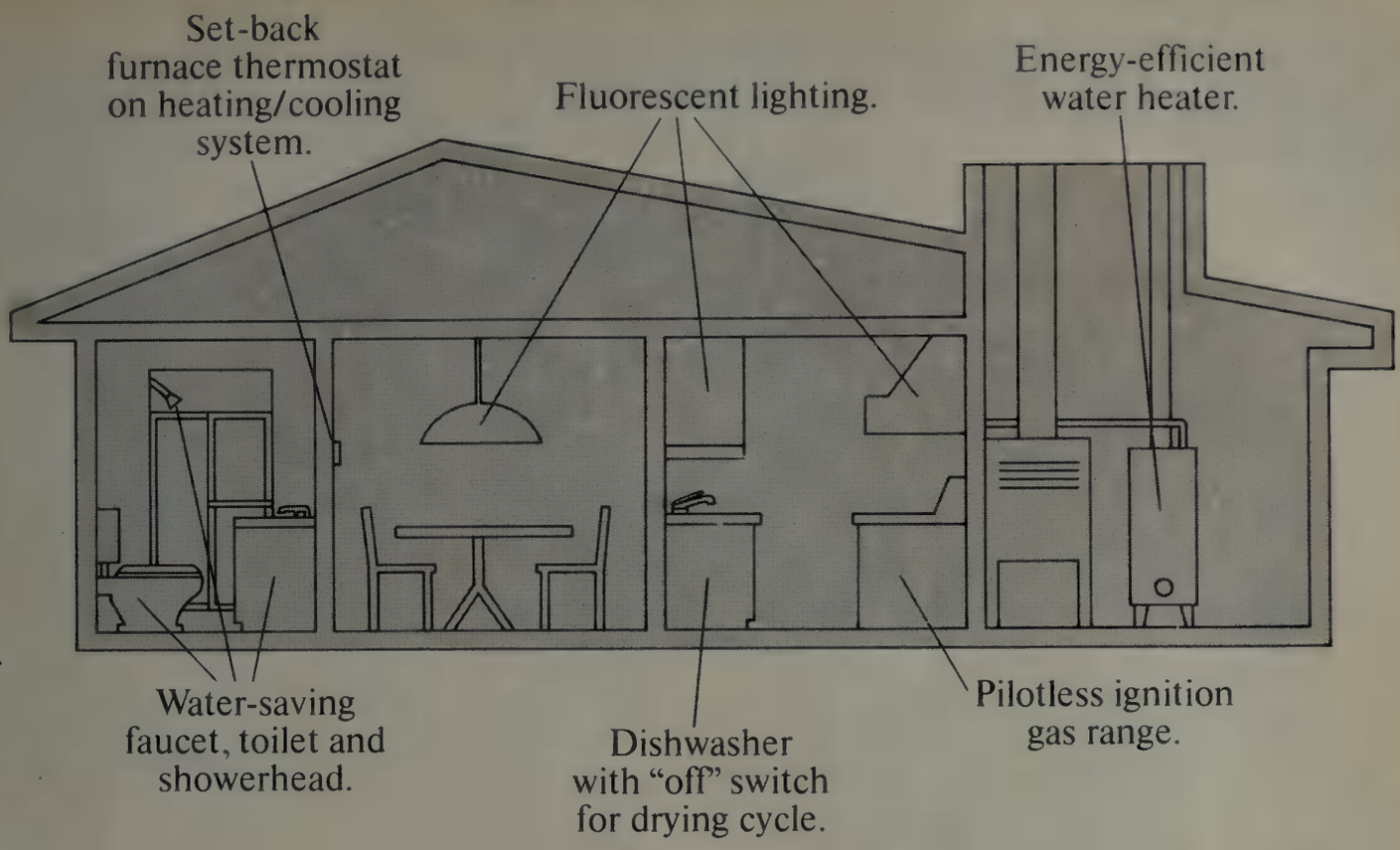
Under the table, a sandbox

When a big palm outgrew its bed in a paved aggregate patio, the owners transplanted it, then took a look at the hole where it had been and got a new idea for their Huntington Beach, California, garden.

Phillip and Susan Caldwell made the hole into a sandbox for their two small children. They dug out about 6 inches of soil and lined the bottom of the hole with bricks for drainage. Concrete footings set at each of the four corners anchor 6-inch-long metal straps. The inside of the 32 by 36-inch sandbox frame—four redwood 2 by 12's butted at the corners—fastens to the straps with woodscrews. (It's a good idea to sand sides and top edges somewhat to avoid splinters in little legs.)

A lid, which keeps out neighborhood pets, makes the unit useful as a garden seat, an outdoor play table, or a platform to show off plants in pots. The 1 by 4's of the lid are nailed to a 2-by-2 lip on all sides and rimmed by mitered 2 by 3's.

When the children are older, bricks and frame can be removed and the space can revert to a planting bed. □



A plan for saving valuable resources when you buy a home.

Two of your most precious resources are your money and your energy. You can conserve both if you buy the right kind of home.

One that displays the *Energy Conservation Home* sign is your guarantee that many energy saving features are built into the house, whether it's new or remodeled.

These days, new homes have to meet local, State and Federal (FHA) insulation and weatherstripping requirements. But Energy Conservation Homes go a lot further.

Each has a combination of special, built-in energy saving features like those indicated above.

The home may also include architectural energy saving features such as deep roof overhangs on south facing windows, deciduous shade trees planted to the south, west or east, or a concentration of south facing double-glazed windows.

The features included in each home will vary, but here's how the program works. PG&E awards points for each installed conservation feature. And builders must have a minimum number of points to qualify a dwelling as a PG&E Energy Conservation Home, and to display the sign.

Because so many people are concerned about energy conservation, builders are getting the message and doing something about it.

ENERGY CONSERVATION HOME PG and E

The time for careless consumption of energy is over. It's too expensive and we can't risk running out. Call your local PG&E office for further information.

Tomorrow is coming and we all should make plans for it today.

PG and E

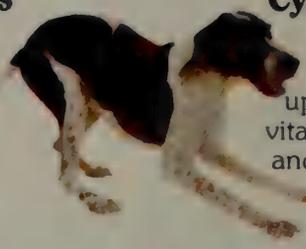
No one can afford to waste energy.

New! Cycle® DOG FOOD in bags of crunchy nuggets!

Introducing the first line of dry dog foods designed to meet the changing nutritional needs of a dog as he goes through life. Four distinctly different foods. Each made with the special nutrition just right for each important stage in a dog's life. All in a tasty, crunchy form. Read about the Cycle® foods and feed the one that's right for your dog.

Cycle 1-for puppies up to 18 months

Pound for pound, a growing puppy burns up 100% more calories than he will as an adult. He needs extra protein and about twice the vitamins and minerals to build muscle and bone. Cycle 1 is specially formulated so all this extra nutrition is concentrated for puppy-sized stomachs.



Cycle 2-for adult dogs (ages 1-7)

Cycle 2 is formulated for your dog's *active* years (1-7). For the way his body burns up energy. With a special balance of protein, vitamins, and minerals to help keep him lively and alert. (And the tasty, crunchy texture that keeps him happy.)

Cycle 3-for overweight dogs

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DON NORMARK

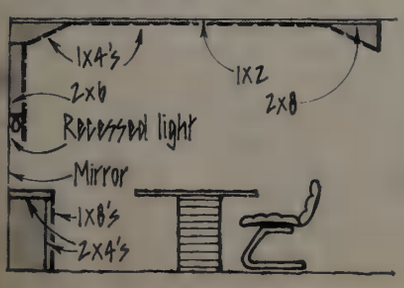
Wrap-around cedar *defines dining room. Counter juts out 18 inches, but back mirror adds illusion of extra space*

Dining room with wrap-around cedar

Rough-sawn boards on a contoured ceiling turned this dining area, which was once just part of the living room, into a more separate, intimate space.

Phoenix architect William P. Bruder designed the ceiling and serving counter beneath it; owner Rocky Rotharmel did the construction. He nailed 1 by 2's to every other ceiling joist, adding triangles cut from 2 by 8's at each end. He framed the counter with 2 by 4's and for the back wall used 2 by 6's covered with ¼-inch plywood.

After he painted the background and frames flat black, he nailed 1-by-4 cedar strips on top and 1 by 8's to the counter, leaving ¼-inch gaps between boards. □



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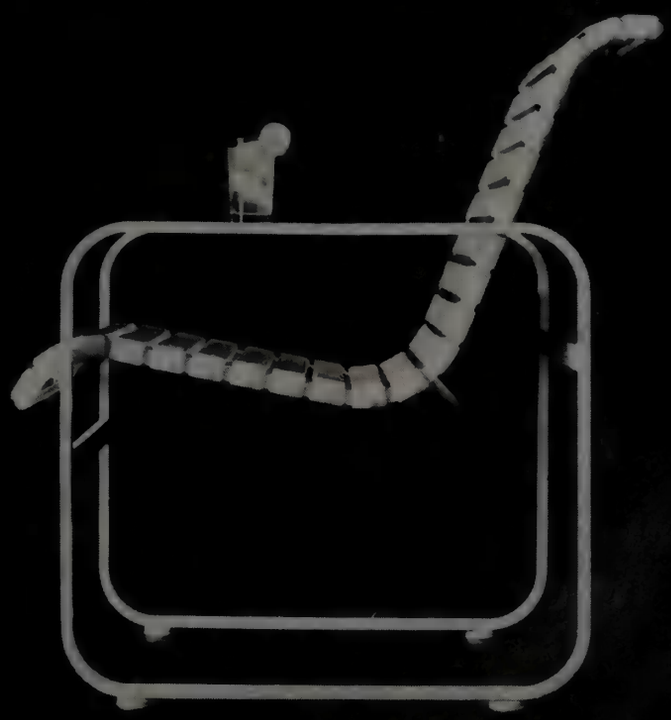
A contemporary look at the worth of Woodard.



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The Changing Western Home®

MARTHA WOODWARD

"On the house" pool heat

Two pool-owning families pioneered ways to put the sun to work heating their pools and saving gas and money. Although these systems have not undergone extensive testing and may not hold up indefinitely, they've been working fine for three swimming seasons.

The homemade pool heater above warms the pool of the Charles E. Juran family of Redlands, California, so efficiently that a gas heater is unnecessary. Above a poolside pergola framework of 4 by 4's and 4 by 6's, they installed a 30-foot-long grille of 42 thin-walled, ¾-inch PVC sprinkler pipes. The pipes join at each end with T's with inch-long nipples in between.

From input to output, the grid slopes up about a foot, keeping the system full. To help absorb energy, flat black enamel was roller-coated onto the top half of the pipes.

This collector, with an output of 30,000 BTU's per hour, keeps pool temperatures in the low 80's during the four summer months; its cost was about $300. A bonus for the Jurans was the broken shade created by the overhead piping.

The Peter Fraciscos of Fremont, California, built an 8-foot-square box above their pool equipment shed (above right), using ¼-inch plywood for the bottom, 1 by 6's for the sides, black polyethylene

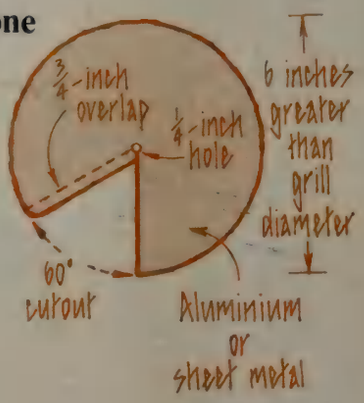
GLENN CHRISTIANSEN

Compromise shower has one large door

Here's an idea for people who don't really want a shower door, but need some protection from splashing water. Architect Francisco Urrutia, of Palm Desert, California, designed this sunken tile shower with a single-track sliding glass door. Its clean lines, floor-to-ceiling height, and transparent glass make the small room seem more spacious. And, of course, one door is easier to clean than two.

The 3½ by 8-foot plate of custom-tempered ¼-inch safety glass sits in an anodized aluminum frame with nylon runners in a track overhead.

Charcoal-snuffing barbecue cone



This lid fits snugly over a round barbecue to snuff charcoal and save it for the next cookout. To make one, cut a circle from thin metal, drill a center hole, and cut out a wedge as shown above. Form the cone, tape sides together, drill four ⅛-inch holes along the overlap, and secure with rivets, using a pop rivet tool. Three optional L brackets inside the cone keep it in place. The handle is an eyebolt in the center hole.

DAVID STUBBS

plastic for a liner, and corrugated fiberglass for a roof.

Inside this "greenhouse" box rests a coil of four 100-foot lengths of flexible ¾-inch black PVC pipe. A valve between the pump and the gas heater diverts water through the coil. The system (cost was $75) keeps the 50,000-gallon pool above 80° during the summer.

If you've built a successful and innovative pool heater and would like to tell us about it, write to Solar Pool, *Sunset Magazine,* Menlo Park, Calif. 94025.

Rule changes for architects

Recently, at the American Institute of Architects' national convention in Dallas, two rule changes were passed which could have a profound impact on the field of architecture, or at least redesign its public façade.

The first change (a three-year experiment) is an ethical one: A.I.A. members are now permitted to become directly involved in contracting for projects as well as designing them. It allows "the architects' compensation to be affected by profit or loss on labor and materials." (Some architects say that it's about time this ongoing practice was finally legitimized.)

The second change removes the institute's ban on advertising. Members can now use "dignified" advertising, but cannot make deceptive statements nor use testimonials or photographs.

There are mixed feelings in the profession about how these rule changes will affect architect-client relationships. We'll be watching the situation for a possible future report.

Protection from plant drips

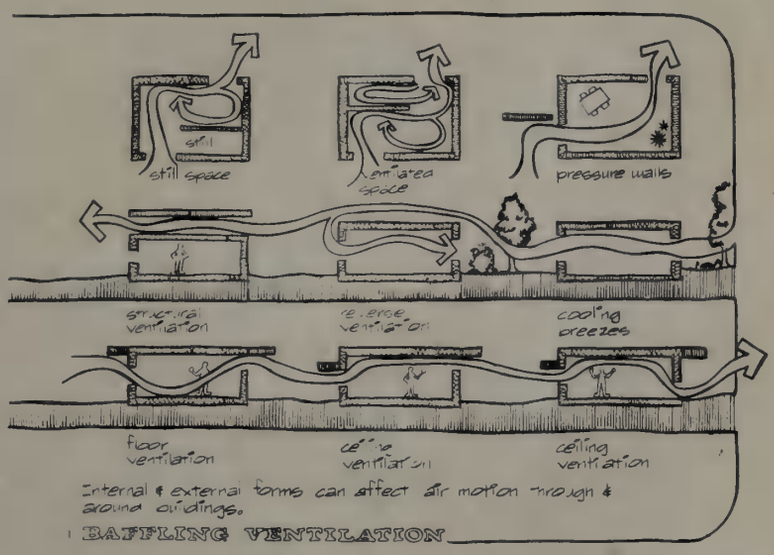
How many windowsills or floors have been ruined by overwatered or sweating house plant containers? One way to lick this problem is to provide a waterproof surface wherever you're planning to display plants.

In the home of Tom and Toni Schultheis of Long Beach, California (below left), you can see ceramic tiles installed along windowsills. Not only do the tiles protect the sills from moisture, but they add a handsome color accent and they're easy to dust and keep clean.

In the photograph below, taken in an Oregon house, a 20-inch-wide protective strip of vinyl flooring laid between carpeting and glass walls makes a practical place for plants.

NORMAN A. PLATE

DON NORMARK



New book on solar design

Environmental architect David Wright, a prolific "passive solar" architect, designed several houses featured in recent *Sunset* articles. His new book, *Natural Solar Architecture* (Van Nostrand Reinhold Co., New York, 1978; $7.95) takes the mystery out of designing a fuel-saving, climate-responsive home.

He shows you just what's involved in considering regional climates and materials, the physics of heat movement, and solar availability, then leads you through design calculations and scores of structural ideas. Cartoons and illustrations like the one above help you grasp the concepts presented.

The goal of solar design, Wright says, is " . . . to distribute natural energies for use when they are needed for comfort . . . accepting or rejecting them, storing and releasing them as needed."

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W. D. & STEPHENS

1. *Nails hold soaked wood strips around plywood template. You may need a clamp to pull strips tight*

2. *Use cardboard strip marked at 1-inch intervals to space net holes around the hoop. Drill a small hole through middle of hoop at each mark*

3. *Tie net to hoop with monofilament line, hooking each loop from the outside and pulling it through; then follow with thicker line*

Your own hardwood landing net

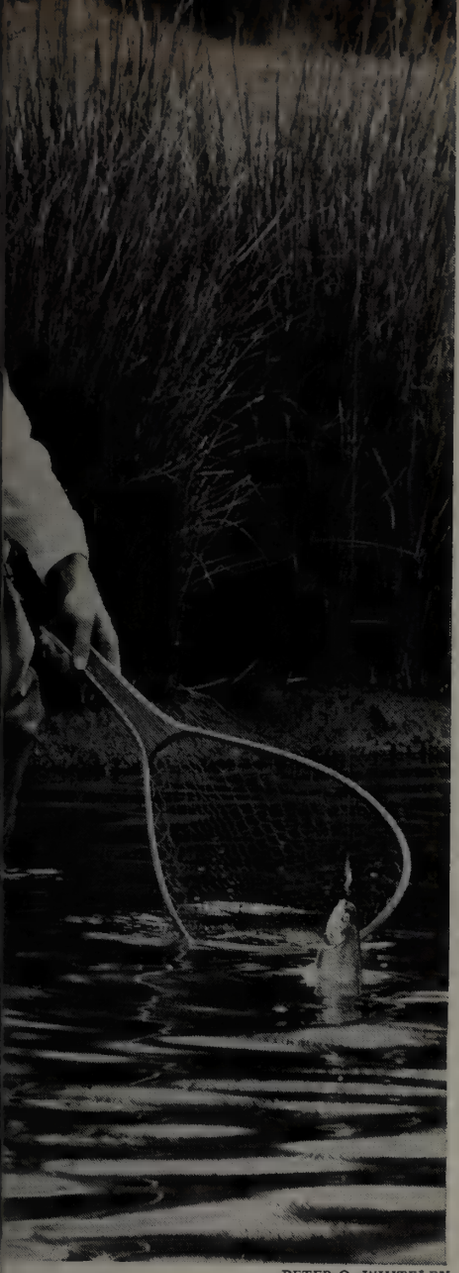
A handcrafted hardwood landing net is a prize every fisherman covets. Here's one you can make in a few evenings that's sturdy, good looking, and inexpensive. Our directions are for a net suitable for freshwater fish from bluegill to bass.

You'll need a 2 by 3-foot piece of ¾-inch plywood, a 12-inch length of hardwood 1 by 4 (actual size about ¾ by 3½ inches), three wood strips 3/32 inch thick by ¾ inch wide by about 6 feet long, 2½-inch (8d) nails, slow-drying water-resistant glue, heavy wrapping paper, waxed paper, sandpaper, spar varnish, monofilament line, and a cotton or nylon replacement net.

Design. Before you start, buy the net. We used a 24-inch trout net with 40 loops. (If your sporting goods store has none in stock, write for a catalog from Dan Baily Flies, Box 1019, Livingston, Mont. 59047; our net cost $3.75.)

Draw a grid of 1-inch squares on the paper and mark a center line. Count the number of loops on your net, then draw a hoop large enough for net loops to be tied about an inch apart around the entire inside circumference of the net. Add a 10-inch-long handle. For a symmetrical shape, sketch half the hoop and handle, cut that part out, then fold on the center line and cut out the other half. Then cut the handle shape away from the hoop shape.

Assembly. Transfer the hoop outline to the plywood and the handle outline to the hardwood 1 by 4 (we used walnut). Cut out both pieces; be sure the handle top fits the bottom curve of the plywood hoop template exactly. Place waxed paper under the edges of both pieces (to prevent gluing the hoop strips to the



PETER O. WHITELEY

Scooping up *a rainbow trout. Homemade landing net is suitable for most freshwater game fish*

plywood base); then mask the edge of the hoop template with plastic tape and nail the template to the plywood base. Secure the handle to the bottom of the hoop template by bending a nail over the butt end.

Measure the distance around the hoop and handle templates, add 6 inches, and cut the three long wood strips to that total length. Hardwood is best for the outer and inner pieces (we used ash); it resists nicks and wear. We used redwood for the inner piece for color contrast. Soak these strips in water overnight.

Next day, bend the three wet pieces, together, around the hoop and handle, starting at the top and working around each side toward the handle. As you proceed, press the strips tightly against the template with nails hammered in about 1 inch apart; be sure the nails are vertical. Let the pieces dry in place overnight.

When dry, make aligning pencil marks across the three strips. Then carefully pull all nails and remove the strips; they will spring back part way. Glue the strips together with water-resistant glue.

With the glue still wet, realign the pencil marks and bend the strips back around the template, renailing as you go. Don't forget to glue the inner strip to the handle. Use clamps as necessary. Allow the glue to dry overnight or longer at room temperature, then remove the laminated hoop from the template. Saw off excess strip ends.

Finishing. Sand excess glue and any blemishes from the hoop. Next, mark holes for the net, starting at the top of the hoop. Drill the holes, using a 3/32-inch bit. Where the hoop meets the handle, you'll need to drill through the handle to the base of the hoop.

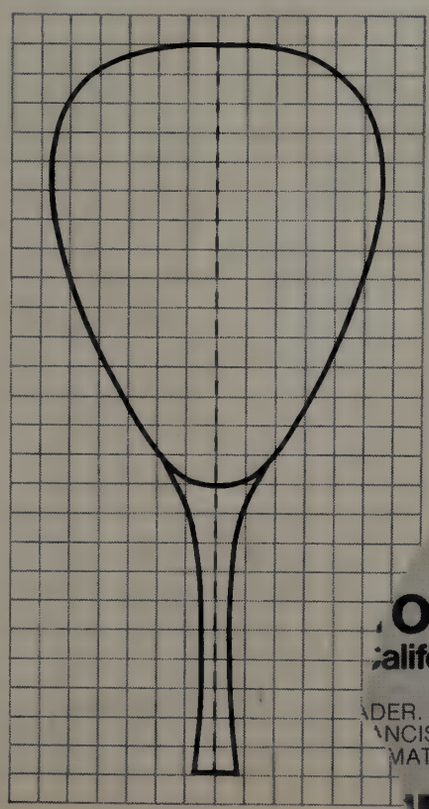
Carefully finish sanding the hoop, rounding all edges, and apply at least three coats of spar varnish, sanding lightly between coats.

Tying the net. To attach the net loops to the hoop, use light monofilament line. Thread it through each hole, through a net loop, then back through the same hole, pulling the net loop to the outside of the hoop. Continue until the net is completely attached.

Then replace this light line with 25-pound-test line. Run the line ends through the holes in the handle and tie them inside the hoop at the base. (If you end up with extra net loops, these can be bunched up here without being too noticeable.)

Attach a brass eyescrew and elastic cord to the handle so the net can be attached to a belt or fishing vest. □

Drawing *shows hoop for 24-inch, 40-loop net on grid of 1-inch squares*



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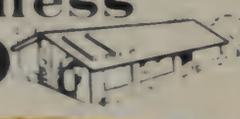

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NORMAN A. PLATE

The atrium gets a fiberglass roof

The open atrium-entrance of this flat-roofed house in Palo Alto, California, just wasn't being used: It was always too windy, too hot, or too wet. Using the lath gazebo on the June 1975 cover of *Sunset* for inspiration, Col. Oliver W. Miller designed and built this two-part corrugated fiberglass roof and turned the area into one of the most pleasant in the house.

Col. Miller first built a model to help him select shapes and support points for the 15 by 18-foot frame 2 by 4's and 2 by 2's. To prevent the roof from becoming a heat trap, he allowed for air spaces between peak and apron and apron and house roof. A three-level planter hanging from a chain from the peak helps to anchor the completed structure.

Materials, including the fiberglass panels, came to about $250. □

Semitropical *atmosphere under fiberglass roof is pleasant for both people and plants*

Lightweight *wood frame, painted white and lag-screwed to the roof parapet, supports the translucent peak and apron*

Scale model *helped the owners work out kinks in the project; note how frame allows for the roof slope*

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Sunset's Kitchen Cabinet®

Returning travelers frequently adapt favorite foreign dishes to please our Western palates. You'll find two examples below: a version of Swiss *raclette* that enhances the potatoes and cheese with onion, bacon, and chiles; and an Indonesian *sate*—barbecued pork with a peanut sauce.

To help you take advantage of July produce, we also offer a lasagne of layered zucchini, meat sauce, and cheeses; a cereal breakfast cake

Split, baked potatoes are mashed and seasoned. Broil them just before serving

Rocky Mountain Raclette

Inspired by a Swiss classic, this dish combines baked potatoes with bacon, onions, chiles, and cheese. Offer with barbecued beef or cold cuts.

- 4 medium-sized russet potatoes
- 1 large mild white onion, sliced
- ½ cup prepared Italian-style salad dressing
- 4 tablespoons butter or margarine
- 1 can (4 oz.) diced California green chiles
- 10 slices bacon, crisply fried and crumbled
- 1½ cups shredded Swiss cheese

Scrub and dry potatoes. Prick skin in several places with a fork. Bake in a 400° oven for 1 hour; or in a microwave oven on full power for 15 minutes; or wrap in foil and cook on a barbecue grill 4 to 6 inches above a bed of glowing coals for 1 hour, turning several times, until potatoes are soft when squeezed.

Meanwhile, place onion in a bowl, pour over the salad dressing, and set aside at room temperature.

Split cooked potatoes lengthwise. With a fork, slightly mash potato and mix in butter and chiles. Evenly spoon onions and dressing over each, then evenly sprinkle with bacon and cheese. Broil 4 to 6 inches below heat until cheese is bubbly. Makes 8 servings.—*S. H., Fort Collins, Colo.*

Squares of cereal-laden cake, fruit, and yogurt make a nourishing breakfast

Breakfast Shortcake

Top the cake with fresh fruit and a complementary fruit-flavored yogurt.

- 1 cup crushed, non-sugar-frosted, ready-to-eat cereal
- ⅓ cup all-purpose flour
- ½ teaspoon baking powder
- ¼ teaspoon salt
- 3 tablespoons sugar
- 3 eggs
- ½ cup milk
- 2 tablespoons melted butter or margarine
- 3 cups cut-up fresh fruit, sweetened to taste (suggestions follow)
- 1 carton (8 oz.) fruit-flavored yogurt

Stir together the crushed cereal, flour, baking powder, salt, and sugar. Beat the eggs until well blended, then stir in milk and butter. Combine egg mixture with dry ingredients; stir until well blended. Pour into a greased 8-inch-square baking pan or a 6 by 10-inch baking pan.

Bake in a 425° oven for 20 minutes, or until cake is set when lightly touched. Cool 10 minutes, then cut into squares and top with fresh fruit and yogurt while still warm. Makes 6 servings.—*G. M., Tacoma.*

Fresh fruits. Choose one or a combination of the following: blueberries, raspberries, strawberries, apricots, peaches, cantaloupe.

Layer sliced zucchini with cheeses and meat sauce for this hearty casserole

Zucchini Lasagne

Sliced zucchini replaces the pasta in this version of the Italian classic.

- Meat sauce (recipe follows)
- 6 medium-sized zucchini
- 8 ounces mozzarella cheese, thinly sliced
- 8 ounces ricotta cheese
- ½ cup grated Parmesan cheese

Prepare meat sauce. Cut zucchini into about ⅛-inch slices. Arrange half the zucchini in a greased, shallow 3-quart casserole. Evenly top with half the mozzarella, half the ricotta, and half the meat sauce. Repeat layers. Sprinkle evenly with Parmesan.

Bake, uncovered, in a 350° oven for 35 minutes or until zucchini is tender. Serves 6 to 8.—*J. G., Tucson.*

Meat sauce. Heat 2 tablespoons salad oil in a wide frying pan over medium heat; add 2 cloves garlic (minced or pressed) and 1 large onion (chopped). Cook until onion is limp, then add ¼ pound mushrooms (sliced) and ½ pound lean ground beef; cook 5 minutes. Stir in 1 can (1 lb.) tomatoes (cut up) and their liquid, 1 can (6 oz.) tomato paste, ¾ cup dry red wine or regular-strength beef broth, 1½ teaspoons oregano leaves, ½ teaspoon basil leaves, and salt and pepper to taste. Boil gently, uncovered, for 25 minutes or until thick.

topped with fruits; a fresh tuna salad; and a homemade orange sherbet.

To share your favorite summer recipes, mail them to *Sunset Magazine*, Menlo Park, Calif. 94025. We pay $25 for each recipe published.

Rocky Mountain raclette, Indonesian barbecue, zucchini lasagne

Indonesian-style Pork Buns

The teriyaki marinade plus peanut butter makes a speedy *sate*-like sauce.

- 3 tablespoons *each* soy sauce, water, and lemon juice
- 1 tablespoon *each* instant minced onion and ground coriander
- 1 tablespoon packed brown sugar
- ½ teaspoon garlic powder
- ¼ teaspoon crushed red pepper
- 1½ to 2 pounds lean boneless pork shoulder
- ¼ cup chunk-style peanut butter
- 3 Arab pocket bread, split
- Shredded iceberg lettuce

In a measuring cup combine the soy, water, lemon juice, onion, coriander, sugar, garlic powder, and red pepper. Trim excess fat from meat, cut meat into bite-size pieces, and place in a tight-fitting bowl. Pour over soy mixture, cover, and chill 30 minutes.

Lift meat from marinade; bring marinade to a boil and set aside. Thread meat on skewers. Place on a grill about 6 inches above a solid bed of low-glowing coals and cook, turning as needed to brown all sides, about 25 minutes or until meat is no longer pink when slashed.

Stir marinade into peanut butter. Fill pocket bread halves with meat cubes and some lettuce; drizzle peanut sauce over all. Makes about 6 servings.—*F. N., San Francisco.*

Bite-size pork cubes are served in Arab bread with lettuce and peanut sauce

Tuna Garden Salad Bowl

For a midsummer supper, this salad, with rolls and tea, makes a meal.

- 6 tablespoons olive oil or salad oil
- 3 tablespoons white wine vinegar
- 1 teaspoon *each* salt and dry mustard
- ½ teaspoon *each* pepper and dill weed
- ½ pound green beans
- ½ medium-sized cauliflower
- ½ cup thinly sliced celery
- 6 radishes, thinly sliced
- 3 green onions, thinly sliced
- 1 can (9½ oz.) chunk-style tuna, drained
- Cherry tomato halves

In a small jar or bowl, combine the oil, vinegar, salt, mustard, pepper, and dill weed. Shake or stir until well blended; set aside.

Cut beans into 2-inch lengths and place in a vegetable steamer; cover and steam for 7 minutes. Separate cauliflower into bite-size pieces and add to steamer; cover and steam 5 minutes longer or until vegetables are fork-tender. Plunge into cold water to cool quickly; drain.

In a salad bowl, combine the cauliflower, beans, celery, radishes, green onion, and tuna; cover and chill several hours.

Just before serving, add dressing and mix well. Garnish with tomatoes. Serves 4 to 6.—*J. M., Madera, Calif.*

Toss well-chilled vegetables and tuna with spicy oil and vinegar dressing

Orange Sherbet Cups

Bits of marmalade add an intriguing sweetness and texture to this sherbet.

- 7 large oranges
- ⅓ cup honey
- ⅔ cup orange marmalade
- 2 cups half-and-half (light cream)
- ¼ cup orange-flavored liqueur (or orange juice)
- Mint sprigs

Grate enough peel from 1 orange to make 1 tablespoon. Cut off top third from remaining 6 oranges. Squeeze juice from all 7 oranges; set aside. Then scrape and discard pulp from the 6 shells (tops and bottoms) so they can be used as serving containers. Cover and set aside.

In a blender container, combine the peel, 2 cups of the orange juice, honey, marmalade, cream, and liqueur. Whirl until well blended; then pour into a 9 by 13-inch baking pan and freeze until firm. Spoon mixture into a bowl and beat until soft; refreeze in baking pan until firm.

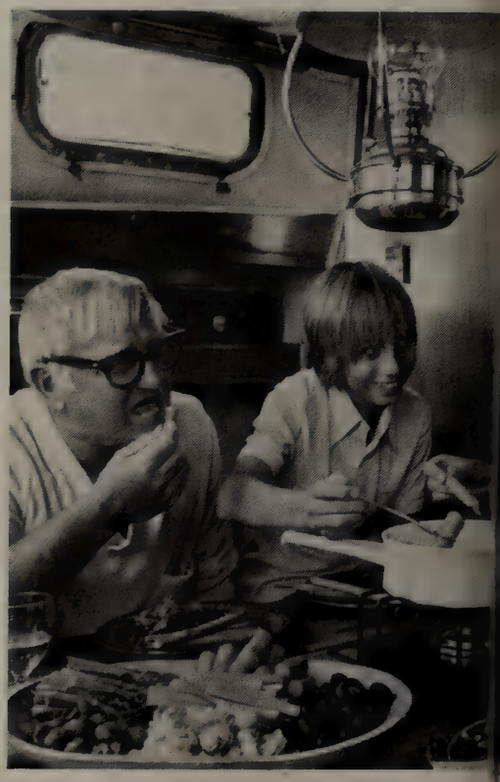
Mound mixture in the six orange shell bottoms, cover tight with plastic wrap, and freeze until needed. Before serving, cover with remaining shell tops, if desired. Tuck a mint sprig in the stem hole or perch it on top of sherbet. Serves 6.—*M. D., Morro Bay, Calif.*

Serve sherbet in orange shells, with or without lids. Top with a sprig of mint

Celebrating at sea or in camp

Here are party meals for special occasions when you're far from the refrigerator

Birthday in camp *calls for a party: grilled ham-and-melon kebabs, shoestring potatoes, raw vegetables or coleslaw—and for dessert, special chocolate pudding-in-a-cone*



Celebrate at sea *with shipboard fondue: shrimp, sausages, and vegetables to dip in a bubbly, sharp-Cheddar fondue—accompanied by two-bean salad with mandarin oranges*

The first mate or camp cook, who may have only a small stove and little or no ice, faces a challenge when it's time to concoct a special menu for a birthday or anniversary. But veterans who often vacation far from any source of fresh supplies have ready solutions.

Like a magician drawing silk scarves from a hat, the seasoned camp cook brings forth, from a tiny but carefully stocked larder, imaginative and satisfying fare that rises to the occasion. The trick is to stock prepared ingredients that you can combine with flair.

Three portable parties are presented here; each is simple and quick to assemble on the spot.

Birthday in Camp

Ham-fruit kebabs. Choose a canned ham that requires no refrigeration; allow ¼ to ⅓ pound per person. Cut meat into 1 to 1½-inch chunks and thread on skewers alternately with chunks of cantaloupe or canned pineapple. Combine 3 tablespoons melted butter or margarine and 1 teaspoon *each* Dijon mustard and honey; brush over fruit and meat. Place skewers above low glowing coals and cook, turning as needed, until lightly browned and hot throughout.

Pudding cones. In a small deep bowl combine ½ cup non-fat dry milk, 1 package (4½ oz.) chocolate-fudge-flavor instant pudding and pie filling, 1 envelope (1½ oz.) whipped topping mix, and 1¼ cups cold water. Beat with a rotary beater until very stiff, about 2 minutes. Cover and set aside as long as 2 or 3 hours. Spoon into ice cream cones. Makes about 6 servings.

Shipboard Fondue Party

Sharp cheese fondue. In a fondue pan or saucepan, combine 3 jars (5 oz. *each*) sharp pasteurized process cheese spread, 2 tablespoons instant minced onion, 1 tablespoon Dijon mustard, and 2 tablespoons dry white wine or water. Place over low heat, stirring often, until cheese is melted. Add more wine, 1 tablespoon at a time, to reach right consistency for dipping. Season to taste with cayenne.

Supper party *starts with champagne accompanied by caviar, pâté, and melba toast. The entrée is salade Niçoise. Dessert is creamy pudding-and-rum cakes*

DARROW M. WATT

GLENN CHRISTIANSEN

Place over a fondue burner or reheat as necessary to keep cheese melted.

Offer 5 or 6 different dippers such as bread sticks, carrot sticks, canned medium shrimp (rinsed and drained), Vienna sausages, pitted ripe olives, canned whole mushrooms, asparagus spears (drained), or artichokes packed in water (drained).

Orange-bean salad. Stir together ⅔ cup salad oil, ⅓ cup vinegar, ½ teaspoon *each* salt and thyme leaves, and ¼ teaspoon sugar. Add 1 can (1 lb.) cut green beans (drained) and 1 can (15 oz.) red kidney beans (drained). Mix well and let stand at least 1 hour. Just before serving stir in 1 can (11 oz.) mandarin oranges (drained) and ½ to 1 can (3 oz.) French fried onions. Makes 4 to 6 servings.—*G. M., Tacoma.*

French Supper at Anchor

Salade Niçoise. Drain marinade from 1 jar (6 oz.) marinated artichoke hearts; to marinade add ¼ cup salad oil, 2 tablespoons white wine vinegar, ¼ teaspoon *each* garlic salt, dry mustard, and oregano leaves, and ½ teaspoon sugar. Pour mixture over 1 can (1 lb.) whole potatoes (drained and sliced) and 1 can (1 lb.) whole green beans (drained). Let stand 1 hour.

To serve, arrange on a platter 1 can (10 or 13 oz.) solid pack tuna (drained), 1 can (about 14 oz.) sliced baby tomatoes (drained), pickled beets (drained), 3 or 4 hard-cooked eggs (sliced or quartered), and artichokes; lift potatoes and green beans from marinade and add. Garnish with flat or rolled anchovies, if desired, and pass remaining marinade to drizzle over individual servings. Serves 4.

Creamy rum cakes. In a bowl combine ⅔ cup non-fat dry milk, 1 package (3¾ oz.) French-vanilla-flavor instant pudding and pie filling, and 1½ cups cold water. Beat with a rotary beater for 2 minutes or until well blended. Spoon into a serving bowl. Cover and let stand up to 2 hours. Serve topped with 1 can (12 oz.) rum cakes. Serves 4. □

DARROW M. WATT

Proud fisherman *supervises the serving of his catch. Cut fresh whole salmon—poached and chilled—into portion-sized pieces and serve with a choice of sauces*

JULY MENUS

Salmon feast with a poached, chilled fish . . . breakfast-brunch with blueberry bread . . . Fourth of July turkey barbecue

To the fisherman, a good catch of salmon may be a reward in itself. But everyone can share in the reward when freshly caught fish is elegantly prepared. Our first menu this month features chilled poached salmon to serve with three flavorful sauces.

Blueberry bread, made with fresh whole berries and an easy refrigerator dough, can highlight a summer breakfast or brunch another day this month. And if you're planning a gathering of family or friends over the Fourth, there's economically priced turkey quarters to barbecue for a hungry crowd.

Cool salmon feast

The size of your salmon will determine the size of this buffet. A 4-pound salmon will serve from 4 to 6 guests; an 8-pound salmon should serve 12 or more.

Chilled Poached Salmon
with
Remoulade Sauce **Guacamole**
Lemon Dill Mayonnaise
Mixed Green Salad **Crusty Bread**
Orange Sherbet Cups

You can poach the salmon and prepare the sauces up to a day ahead of serving them. To poach the fish, you'll need a conventional poaching pan or a large roasting or broiling pan. Whatever you use, just make sure it's large enough so the fish can lie flat (the tail can turn up if necessary), and deep enough so the fish can be covered with poaching liquid. If you don't have a conventional poaching pan with its own rack, you'll also need plenty of cheesecloth to help lower and raise the fish from the liquid.

Chilled Poached Salmon

With a damp cloth, wipe the outside of a 4 to 8-pound cleaned and scaled whole salmon (head and tail removed if desired), then wipe inside the body cavity.

In your poaching pan or another pan of similar size and depth, combine 2 large onions (sliced), 18 whole black peppers, 6 whole allspice, ½ cup lemon juice or white wine vinegar, 2 bay leaves, 1 tablespoon salt, 2 cups dry white wine (or water), and 4 quarts water. Cover and simmer gently 30 minutes to 1 hour.

Place fish on the pan rack (or wrap it snugly in cheesecloth, folding edges together on top of fish) and lower it into boiling liquid. If some liquid has boiled away, add enough white wine or water to just cover fish. Cover pan tightly with lid or foil.

Simmer salmon on top of the range, using two elements or burners at once, if necessary. Allow 10 minutes of cooking time for each 1-inch thickness of fish (measure the thickest portion) or until salmon flakes easily when prodded with a fork. If necessary, re-cover pan and

Introducing Date-Nut Cake and Yogurt Cake!

Two new cakes so good... they don't need any icing at all.

If you loved our old-fashioned Pound Cake, Apple-Walnut Cake and Carrot Cake—just wait til you taste our two new additions! Both are so moist and delicious, you won't miss the icing one bit. Look for 'em in your grocer's freezer.

Old Fashioned Date-Nut Cake. Just like Grandma's! Made with brown sugar and whole eggs, and laced with dates and walnuts.

Old Fashioned Yogurt Cake. As chewy-moist as cake can be, and tasting of yogurt and a hint of lemon.

Who needs icing?

Store Coupon 546/3136

12¢ PEPPERIDGE FARM® 12¢

Here's 12¢ to try any variety of delicious Pepperidge Farm Old Fashioned Cakes.

New Date-Nut Cake, new Yogurt Cake, All-Butter Pound Cake, Apple-Walnut Cake or Carrot Cake.

Present this coupon to your grocer, who is authorized to allow you 12¢ toward the purchase of one package of Pepperidge Farm Old Fashioned Cakes.

GROCER: When all terms of this offer have been fulfilled by the consumer and by you, this coupon will be redeemed for face value plus 5¢ for handling. Mail coupon to COUPON REDEMPTION PROGRAM, BOX 1000, ELM CITY, N.C. 27822. Any other application constitutes fraud. Invoices proving purchase of sufficient stock to cover coupons presented must be shown upon request. Failure to do so may, at our option, void all coupons submitted for redemption for which no proof of products purchased is shown. Subject to state and local regulations. Void if taxed, restricted or forbidden by law or if presented by outside agencies, coupon brokers or others who are not retail distributors of our merchandise. Cash value 1/20 of 1¢. Offer limited to one coupon per purchase. Take this coupon to your grocer. Coupon expires July 31, 1979.

Pepperidge Farm, Incorporated.

In your grocer's freezer

546/3136

KRAFT SALAD DAYS ARE HERE

Celebrate the delicious rainbow of California Summer Fruits... fresh peaches, plums, nectarines and Bartlett pears, tastefully joined together by a real 'mint' of a dip made with KRAFT Real Mayonnaise.

CELEBRATE CALIFORNIA SUMMER FRUITS WITH A RAINBOW FRUIT PLATTER AND PEPPERMINT DIP.

Plums
Peaches
Nectarines
Bartlett Pears
Lemon juice
½ cup KRAFT Real Mayonnaise
1 cup heavy cream, whipped
½ teaspoon peppermint extract or 1 teaspoon finely chopped mint leaves
Lettuce

Cut fruit in wedges; toss with lemon juice. Chill. Combine mayonnaise, whipped cream and flavoring. Arrange fruit on lettuce-covered platter. Serve with mayonnaise mixture. Garnish with mint, if desired. 2⅓ cups dressing

KRAFT

CALIFORNIA SUMMER FRUITS

CALIFORNIA TREE FRUIT AGREEMENT

continue cooking, checking for doneness every 3 minutes.

Lift out salmon on rack. Or support and lift cheesecloth-wrapped fish with two spatulas, then remove cheesecloth. Place fish on a serving platter; cool, cover, and chill at least 3 hours.

Before serving, gently pull off skin on top side of salmon from a point just behind the head (if still attached) to the tail. Garnish with lemon wedges, thin slices of cucumber, and watercress sprigs as desired.

To serve, cut salmon directly to the bone, then slide a spatula between flesh and ribs and lift off each serving. When top half is completely served, remove backbone (sever from head if necessary) before serving remaining half. Serves 4 to 12, depending on size of salmon.

Remoulade sauce. In a blender, combine ½ cup salad oil, ¼ cup white wine vinegar, 2 tablespoons Dijon mustard, 2 teaspoons prepared horseradish, 1 tablespoon catsup, ½ teaspoon salt, ⅛ teaspoon cayenne, and 1 hard-cooked egg (cut up); whirl until smooth. Stir in ⅓ cup *each* finely chopped celery and sliced green onion. Makes 1½ cups.

Guacamole. You'll need about 2 cups homemade guacamole, or 2 or 3 packages (6 oz. *each*) frozen avocado dip. Thaw frozen dip before serving.

Lemon dill mayonnaise. To 1½ cups mayonnaise (homemade or purchased) stir in ½ to ¾ teaspoon dill weed and 1 teaspoon grated lemon peel.

Summer breakfast or brunch

The stir-and-chill, no-knead feature of this blueberry yeast bread makes it a good choice for a summer breakfast.

Fruit Juice
Blueberry Breakfast Ring
Eggs as you like them **Sausages**
Coffee or Tea

You can start the dough the night before, or bake the bread a day ahead; in the morning, reheat it in a 300° oven, uncovered, for about 15 minutes or until warm throughout.

Blueberry Breakfast Ring

- 1 package active dry yeast
- ¼ cup warm water (about 110°)
- 2½ cups all-purpose flour, unsifted
- 3 tablespoons granulated sugar
- ½ teaspoon salt
- 6 tablespoons butter or margarine
- 2 eggs, separated
- ½ cup milk
- 1 teaspoon grated orange peel
- ½ cup packed brown sugar
- 2 cups fresh blueberries, rinsed and dried
- 1 teaspoon ground cinnamon
- Melted butter or margarine and granulated sugar

Dissolve yeast in water; set aside. In a bowl, combine flour, the 3 tablespoons granulated sugar, and salt. With a pastry blender or two knives, cut the 6 tablespoons butter into flour mixture until butter is pea-sized.

Beat egg yolks to blend (set whites aside), then stir in milk and dissolved yeast. Gradually stir into flour mixture just until moistened. Form dough into a ball, cover, chill 4 hours or overnight.

To shape, knead dough lightly on a floured board, then roll out into a 12 by 22-inch rectangle. In a bowl, beat the egg whites until soft peaks form, then gradually beat in the orange peel and 2 tablespoons of the brown sugar. Spread this meringue mixture over dough to within 1 inch of edges; scatter blueberries over meringue and sprinkle with remaining brown sugar and cinnamon.

Starting with a long side, roll up jelly-roll fashion; pinch edge to seal. Then carefully place dough in a well-greased 10-inch tube pan, seam side down, and pinch ends together.

Cover dough and let it rise in a warm place until almost doubled in size, about 1½ hours. Brush with melted butter and sprinkle lightly with granulated sugar.

Bake in a 375° oven for about 35 minutes or until evenly browned. Cool in pan on a rack for about 20 minutes. Run a spatula around pan sides and tube;

Sprinkle blueberries *over meringue-coated dough, then roll it up jelly-roll style. When baked and cut, breakfast bread has swirls of juicy berries throughout*

DARROW M. WATT

Correctol® the gentle laxative so many women are using today.

Today, more than ever, there's something special about being a woman. You give so much and you do so much. Yet, some days, you don't feel your best because of irregularity.

Then, like so many women today, you take Correctol, the modern, gentle laxative.

Correctol's special formula combines a mild laxative with a softening agent. Its gentle, overnight action helps you feel like yourself again. Read and follow label directions. And next time, try Correctol. The modern, gentle laxative.

FIT FOR TWO

...equal but different feet

His & Hers

RED WING SPORT BOOTS

His is made on a man's last. Hers on a special woman's last. Viva la difference in comfort and fit! Both boots are made from supple full-grained Oro Russet water-repellent leather. Both have tough Vibram lug soles—real ground grippers when the going gets rough. Both share these other West-winning features—inch-wide steel shank for super support and nailess all-around Goodyear storm welt construction.

Enjoy the Fit that's Great As All Outdoors. You'll Find it at These Red Wing Dealers.

CALIFORNIA

ALAMEDA ..... Red Wing Shoe Store, 1414 Park St.
ANTIOCH ..... Red Wing Shoe Store, 2641 Sommersville Rd.
ARCATA ..... Plaza Shoe Shop, 774 Ninth St.
CASTRO VALLEY ..... Binneweg's Boot Shop, Castro Valley Shopping Center
CHESTER ..... Ayoob's Dept. Store
CHICO ..... Plaza Shoes, North Valley Plaza #26; Richardson's, 319 Main St.
CITRUS HEIGHTS ..... Tower of Shoes, 6302 Sunrise Blvd.
COLUSA ..... Johnson's Shoes, 520 Market St.
CONCORD ..... Red Wing Shoe Store, 2145 Salvio St.
DUBLIN ..... Red Wing Shoe Store, 7387 Amador Valley Blvd.
FORTUNA ..... Redwood Bootery, 1055 Main
FRESNO ..... Red Wing Shoe Store, 5351 N. Blackstone
GRASS VALLEY ..... Collier's Shoes, 113 Mill St.; The Main Boot, 11859 Sutton Way
HANFORD ..... Continental Dairy Equipment, 8972 Lacey Blvd.
HAYWARD ..... Red Wing Shoe Store, 1013 "B" St.
MERCED ..... Red Wing Shoe Store, 637 W. 17th St.
NEVADA CITY ..... Save More Variety & Fabrics, 408 Broad St.
OAKLAND ..... Binneweg's Boot Shop, 2519 Telegraph Ave.
ORLAND ..... Johnson's Shoes, 715 Fourth St.
PLACERVILLE ..... The Bootery, 416 Main St.
REDDING ..... Red Wing Shoe Store, Downtown Mall
REDWOOD CITY ..... Schiel's Shoe Service, 812 Middlefield Rd.
SACRAMENTO ..... Tower of Shoes, 1833 Howe Ave.; Wagners Shoes, 3360 El Camino Ave.; Wagners Shoes, 1327 "J" St.; Wagners Shoes, 4360 Florin Road
SALINAS ..... Beck's Shoe Store, 354 Main St.
SAN BRUNO ..... Red Wing Shoe Store, 430 San Mateo Ave.
SANGER ..... James Shoe Store, 1332 7th St.
SAN LEANDRO ..... Red Wing Shoe Store, 254 W. Estudillo Ave.
SAN MATEO ..... Red Wing Shoe Store, 179 West 25th Ave.
SANTA ROSA ..... Red Wing Shoe Store, Corner Steele & Cleveland
SONORA ..... Hammond Shoes, 185 So. Washington
STOCKTON ..... George's Red Wing Shoes, 237 East Miner Ave.
SUSANVILLE ..... The Bootery, 706 Main
THOUSAND OAKS ..... Red Wing Shoe Store, 258 N. Moorpark Rd.
VALLEJO ..... Red Wing Shoe Store, 406 Georgia St.
VISALIA ..... Red Wing Shoe Store, 3320 A. So. Mooney Blvd.
WALNUT CREEK ..... Binneweg's Boot Shop, 1389 North Main St.
WATSONVILLE ..... Van Lanen Shoe Store, 14 E. Lake Ave.
WILLOWS ..... Johnson's Shoes, 216 W. Sycamore St.
YREKA ..... Johnson's Shoes, 199 So. Main St.; Thompson's Mens Store, 300 So. Broadway

NEVADA

CARSON CITY ..... Country Club Shoes, 1933 No. Carson St., Frontier Plaza
RENO ..... Red Wing Shoe Store, 347 East Plumb Lane, Shoppers Square
SPARKS ..... Red Wing Shoe Store, 2219 Oddie Blvd., K Mart Shopping Center
WINNEMUCCA ..... Stockmen's Store Inc., 150 Bridge St.

RED WING RED WING SHOES

Red Wing Shoe Company • Red Wing, MN 55066

then turn bread out onto a rack. Serve warm, cooled, or reheated. Serves 8 to 10.

Fourth of July barbecue

Planned as a cooperative barbecue for the family or neighborhood, this entire meal can be cooked by one person.

Barbecued Turkey Quarters
Molded Cranberry Fruit Salad
Corn on the Cob **Garlic Bread**
Chilled Watermelon

While the turkey barbecues, you'll have ample time to prepare the garlic bread (use your favorite recipe) and cook the corn. You'll need a covered barbecue grill at least 22 inches in diameter.

Barbecued Turkey Quarters

Purchase an 8 to 10-pound turkey and ask the meatman to cut it into quarters for you. Rinse pieces and pat dry.

About 3½ hours before mealtime, ignite a pile of about 50 long-burning briquets. Let them burn down until coated with a gray ash (30 to 45 minutes), then arrange briquets around a drip pan placed in the center of the fire bed. Place turkey quarters, skin side up, on center of greased grill directly above drip pan. Cover barbecue and adjust dampers according to manufacturer's directions.

Roast turkey about 15 minutes per pound or until a meat thermometer inserted into thickest portion of breast (not touching bone) registers 170° to 175°, about 2 to 2½ hours total. Add about 10 briquets to fire every hour to keep temperature constant. During the last 1½ hours of cooking, brush quarters frequently with lemon baste (directions follow). Serves 8 to 10 with leftovers.

Lemon-thyme baste. Combine ½ cup salad oil, ¼ cup lemon juice, 1 teaspoon *each* salt and thyme leaves, 2 tablespoons minced onion, and 1 clove garlic, minced or pressed.

Molded Cranberry Fruit Salad

- 2 packages (3 oz. *each*) raspberry-flavored gelatin
- 1 cup boiling water
- 1½ cups cold water
- 1 can (1 lb.) whole cranberry sauce
- 1 can (11 oz.) mandarin oranges, drained
- 2 green apples, unpeeled and diced
- ¾ cup sliced celery
- ½ cup coarsely chopped walnuts

Dissolve gelatin in the boiling water, then stir in the cold water and chill until syrupy, about 20 minutes. Meanwhile, mix together the cranberry sauce, oranges, apples, celery, and nuts; stir into the syrupy gelatin. Spoon into a greased 7-cup ring mold. Cover and chill until firm, about 4 hours.

To serve, dip mold in warm (not hot) water for about 10 seconds; loosen edge of salad with a knife tip. Invert ring onto a plate. Serves 8 to 10. □

B&M® IS AMERICA'S BEST SELLING BAKED BEAN.

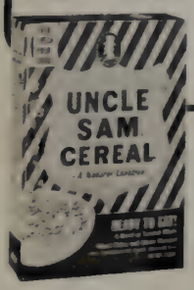
B&M uses only small, tasty pea beans.
B&M bakes them for seven hours in real brick ovens.
B&M bakes them in a rich, dark brown sugar sauce.
B&M has that authentic, homemade taste.
So naturally, B&M is America's best selling baked bean.

THE "NATURAL" WHOLE-GRAIN CEREAL FOR *Regularity*

✔ NO PRESERVATIVES ADDED!
✔ NO ARTIFICIAL COLORINGS!

A Delicious, Ready-To-Eat Cereal Your Whole Family Will Enjoy

Made from whole grains. Each flake is packed with whole grain nutrition . . . wheat germ rich in protein, vitamins and minerals plus the wheat bran. Nothing is removed from the original wheat berry. A regularity favorite in thousands of homes for over 60 years. On your grocer's cereal shelf.



UNCLE SAM
The Regularity
CEREAL

Inventa GRANOLA

Create a different granola by adding Roman Meal Cereal to your recipe, or write for ours. You'll like the flavor and *natural whole grain goodness*® that Roman Meal adds.

FREE RECIPES
Write Roman Meal, Dept. C-08, P.O. Box 11126, Tacoma, WA 98411. Ask for our granola recipe leaflet.

CALIFORNIA DRIED FRUIT

FARMER TO CUSTOMER

Box #1 6 lbs mixed—1 lb each: cut apricots, pears, peaches, prunes, figs and whole dried apricots. $11.50. Box #2 3 lbs–1 lb each: apricots, pears, peaches. $6.25. *Or write for complete price list.* Postage paid, except HI ■ AK add $2/3 lb, $4/6 lb. ■ of A/Visa, Mastercharge accepted (name & #)
G.I.M.M. DRY YARD
Rt. 1, Box 109-A, Wolfskill Rd., Winters, CA 95694

Columbia River Specialties

Delight friends with a gift pack of the northwest's favorite delicacies. Smoked filet of Salmon or Sturgeon. All premium quality, hand-packed and canned by: **Westside Fish Co., Route 1, Box 466, Rainier, Or. 97048.** Send for free brochure.

BIG BREAD BOOK

Sunset's *Cook Book of Breads*—100's of recipes for home-made breads. $2.45 from retailers or Sunset Books, Willow & Middlefield Rds., Menlo Park, CA 94025. Add 6% tax in CA.

THE SUNSET CASSEROLE BOOK

Hundreds of exciting, Sunset-tested recipes with ideas for the up-to-date hostess, home-maker, working girl. Meals that cook themselves—main courses, vegetables, meats, poultry, seafoods. Many may be prepared ahead. $2.95

Sunset *Western Grocery Directory*

Celebrating 50 Years of Quality Ice Cream

For a complete listing of stores proudly selling Dreyer's write:
DREYER'S GRAND ICE CREAM
5929 College Ave., Oakland, CA 94618
Attention: Mr. Ken Cook, President

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Copper and Stainless Steel Cleaner

It keeps a shine longer or your money back.

Does the job bright.™

APRICOT FARM
dried fruit
Four lbs in a 'Sampler Pac' - One lb each Dried Apricots, Peaches, Pears, & Prunes
ppd in the West $10.50
East of the Rockies AK & HI $11.50
2627 BUENA VISTA ROAD—HOLLISTER, CA 95023

DARROW M. WATT

She approves *her vacation breakfast of chewy, nutritious oatmeal cookies*

For on-the-road breakfasts and snacks

These two moist, wholesome cookies can solve the problem of on-the-road breakfasts and snacks. Serve them with milk or fruit juice from the ice chest.

Oatmeal-Nutmeg Breakfast Cookies

In a large bowl, combine 3 cups rolled oats, 2 cups all-purpose flour (unsifted); 1 cup whole wheat flour; 2 cups light or dark brown sugar, packed; 2 teaspoons ground nutmeg, and 1½ teaspoons *each* salt and soda. With a pastry blender or fork, cut in 1 cup (½ lb.) softened butter or margarine until mixture is moist and crumbly. Stir in 1 cup buttermilk or soured milk (combine 1 tablespoon vinegar with milk to make 1 cup; let stand 5 minutes). Add 1 cup raisins or assorted chopped moist-pack dried fruits. If desired, add ½ cup chopped walnuts or almonds.

Drop by heaping tablespoonfuls onto lightly greased baking sheets, 1 inch apart; lightly brush tops with buttermilk. Bake in a 375° oven for about 12 minutes, or until edges are lightly browned. Remove to a board to cool completely.

Store in airtight containers refrigerated or at room temperature. Cookies will stay moist up to 3 weeks. Makes about 5 dozen cookies.

Branapple Bars

Pour 3 cups boiling water over 1 package (6 oz.) dried apple rings or slices; let stand for 20 minutes. Meanwhile, spread ½ cup sesame seed in a frying pan and place over medium heat, stirring, until golden brown, about 8 minutes. Remove and cool. In a large bowl, combine 4 cups whole bran cereal, ¼ cup wheat germ, ½ cup *each* roasted sunflower seeds and chopped walnuts or almonds, and the toasted sesame seed.

Drain apples; grind finely in a food processor or food chopper and add to cereal mixture; set aside.

Place 1 cup honey in a saucepan over medium heat. Cook until honey reaches 230° on a candy thermometer; then stir in 1½ cups peanut butter, 2 tablespoons butter or margarine, and 1 teaspoon ground cinnamon.

Cook, stirring, until mixture returns to 230°. Remove from heat and pour over cereal mixture. Stir with a wooden spoon until blended. Pour into a well-buttered 10 by 15-inch rimmed baking sheet and press down firmly. Cover and chill until firm, about 2 hours; then cut into 2 by 2½-inch bars. Wrap individually in foil. Store in refrigerator up to 2 weeks. Makes 3 dozen bars. □

[This is a slight revision of an advertising message that appeared in the business press and

80 YEARS ARE A GOOD BEGINNING

1898-1908

California, nation's fruit basket, and No. 1 state in oil. San Francisco quickly rebuilds after earthquake and fire.

1908-1918

San Francisco and San Diego fairs celebrate Panama Canal. Arizona and New Mexico become states.

1918-1928

Automobile boom begins in earnest. American servicemen go to war. Southern California dam collapses. Earthquake hits Santa Barbara.

1928-1938

Herbert Hoover becomes the first Western president. Sunset becomes "The Magazine of Western Living." Thousands leave Dust Bowl for the West. "Grapes of Wrath" wins a Pulitzer.

Western America and Sunset Magazine have been through some lively decades together. What's ahead has to be even more exciting. For both of us.

Will James illustration. Sunset, September 1923

As you may have read in our May issue, this year marks 80 years of Sunset Magazine working for and in the West.

The decades between span an era of phenomenal growth and unbelievable change, for the land, its people, the magazine, and the world around them. Millions of people, for example, have had a closer look at the cratered surface of the moon than anyone had ever seen of the mountainous Western terrain 80 years ago.

You can get a capsule idea of how Sunset articles have mirrored the changing decades from the highlights on these pages. Better yet, read the May issue of Sunset Magazine, if you have not done so already.

The three eras of Sunset.

The Southern Pacific Company founded Sunset in 1898 to promote its railroad traffic and develop its vast land holdings. Very early, however, the magazine developed more breadth than that.

In 1914 Sunset was sold to its business manager and editor, who made it a literary and general interest magazine for the next 14 years.

Laurence W. Lane bought Sunset in late 1928, and published the first issue under his management in February, 1929. His aim was to provide Western families with helpful information on homes, gardens, food, and travel. Sunset is still owned and managed by members of the Lane family, and their basic formula holds true today, molded by changing times and new opportunities.

The magazine has grown and expanded into other activities. Sunset began publishing books in 1932, and, in the 1970's, launched a number of special interest annual magazines, and production of commercial Sunset Films for clients.

MAGAZINES · BOOKS · FILMS

Lane Publishing Co., Menlo Park, California 94025

several newspapers, coinciding with the publication of Sunset's 80th anniversary issue]

FOR A FINE PARTNERSHIP

These 80 years have been eventful ones for Westerners. We have seen automobiles, airplanes, movies, radio, and television come to the fore. We have participated in the development of jet aviation, nuclear power, and space travel.

We have survived two world wars, presented six world expositions and one Olympics, and weathered a major depression.

Sunset's record of uninterrupted regular service through these exciting and sometimes turbulent decades is equaled by very few media in the communications industry.

The gift of restlessness.

Interesting as Sunset's history is, it is only of value to our readers and advertisers if past experience helps us do a better job in the future.

Over the years we have remodeled the format, editorial style, and many management policies as reader and advertiser needs bend to changing times. For example, the geographical area Sunset serves has been expanded drastically as the West developed and unified socially and economically. Last year, the four Rocky Mountain states joined Sunset Magazine's territory.

Many advertising policies, market research, and circulation methods have changed (although Sunset still does not accept liquor, tobacco, and several other categories of advertising). And along with change has come growth. In the past 10 years alone, Sunset's paid circulation has increased 60% — nearly four times the growth rate of Western population.

This critical process of reappraisal and adjustment cannot stop. It will continue as long as Sunset, the Magazine of Western Living, is successful. In a society as dynamic as Western America's, to resist total change is death.

We make no case for the West being a better place to call home. But, in many aspects of living, the West is quite different, and always will be. We know that West better than anyone else. And that is what Sunset is all about.

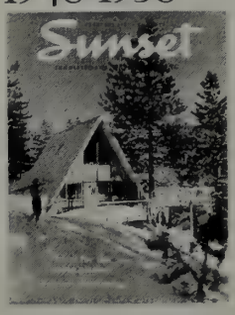
Our sincere thanks to readers and advertisers who helped to make the final issue of our 80 years a record-breaker. The April Sunset was the largest in history for editorial columns and is predicted to have the biggest net-paid circulation, with a total of well over 3 million readers.

Visitors are welcome every weekday (except holidays) from 10:30 to 3:00

1938-1948

Good times return. But life-as-usual ends with Pearl Harbor. United Nations organizes in San Francisco. Ex-GI's migrate to the West.

1948-1958



Another building boom (until it tapers off). Subdivisions and satellite shopping centers mushroom.

1958-1968

Seattle has a world's fair. Alaska and Hawaii become states. A new national park — Canyonlands — opens in 1964.

1968-1978

North Cascades and Redwood National Parks come into being. Energy and water conservation get serious. Sunset publishes "It's time to blow the whistle on DDT."

When he drags out his turnip, top him with your zucchini

Chefs of the West®

The Art of Cooking . . . by men . . . for men

What we know as summer squash is actually sister to the pumpkin and the closest kind of cousin to cucumbers, gourds, melons, and so forth. What distinguishes the summer squash botanically is that there is always too much of it, and no one will eat it.

So much for science.

In the culinary field, we know that summer squash is very good indeed, and that you can do almost anything with it. It can be shredded into baked goods, pickled, sautéed, sauced, mashed, and—most especially—stuffed. That is what Dave Gaston proposes doing with zucchini, the really ubiquitous summer squash.

You can adapt his recipe nicely to crooknecks or pattypans, or to any of the multitude of horticultural varieties such as cherubinis, botticellis, tintorettos, *inter alia.* Just be sure you pick them young. The 10-pound kind are only good for showing to the neighbor when he drags out his 8-pound turnip.

Gaston's Stuffed Zucchini

Boiling salted water
10 medium-sized zucchini (*or* crookneck, *or* pattypan)
¾ pound *each* lean ground beef and mild Italian sausage
¼ teaspoon *each* salt, pepper, and garlic salt
¾ teaspoon oregano leaves
¼ cup yellow cornmeal
2 eggs
3 tablespoons grated Parmesan cheese
6 ounces shredded mozzarella cheese

In a large kettle of boiling salted water, cook zucchini until just fork tender, about 5 minutes. Drain, cool, and slice in half lengthwise. With a spoon, scoop pulp into a colander and reserve, leaving ¼ to ½-inch-thick shells. Set shells upside-down to drain.

Crumble the ground beef and sausage (casing removed) into a wide frying pan over medium heat; add the salt, pepper, garlic salt, and oregano. Cook, stirring occasionally, until meat is browned.

Chop zucchini pulp and combine with the meat, cornmeal, eggs, and Parmesan cheese and blend thoroughly. Place the squash shells on a rimmed baking sheet and spoon meat mixture into shells. Evenly sprinkle mozzarella on top of each stuffed squash.

Bake uncovered in a 350° oven for 25 to 30 minutes or until hot through. Makes 8 to 10 servings.

Alamo, Calif.

Chef J. Richard Allard is a dental surgeon with a taste for Mexican flavors. He does not satisfy his cravings (as so

Oh, those Golden Grahams!

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flour. Add vinegar and water and cook, stirring, until thickened. Serves 6.

Portland

Let us say at the outset that Mr. A. Roose cooks his Paella Agoura in a single pan—it must be a very large one. Instead, you can use a couple of pans, such as a frying pan and a large kettle, as we do here, and manage just as well with only the loss of showmanship.

Paella Agoura

- ¾ cup olive oil or salad oil
- 4½ teaspoons oregano leaves
- 5 cloves garlic, minced or pressed
- 1½ teaspoons pepper
- 1 tablespoon salt
- 3 to 3½ pound broiler-fryer chicken, cut up
- 1 pound lean pork shoulder, cut in 1-inch cubes
- 12 large shrimp, peeled and deveined
- 4½ cups regular-strength chicken broth
- 2 tablespoons tomato paste
- 1 large onion, chopped
- ½ teaspoon crushed red pepper
- 1 large green pepper, seeded and chopped
- 3 sprigs fresh coriander (cilantro)
- 3 cups peeled and chopped tomatoes
- ½ teaspoon powdered saffron
- 3 cups white rice
- 18 mussels or clams, well scrubbed
- 1 pound squid, cleaned and cut into about ½-inch rings
- 1 cup fresh peas, or 1 package (10 oz.) frozen peas, thawed
- 2 pimientos, cut in strips

In a bowl, blend the olive oil, 4 teaspoons of the oregano, 3 cloves of the garlic, 1 teaspoon of the pepper, and all the salt. Place chicken, pork, and shrimp in a bowl or a heavy plastic bag and pour on oil marinade. Cover and refrigerate at least 4 hours or overnight.

In a wide frying pan over medium heat, heat about 3 tablespoons of the marinade; add the chicken and brown well on all sides. Set aside. Next brown the pork. Leave shrimp in remaining marinade. Discard excess fat and return chicken to pan with pork; add ½ cup of the broth, cover, and simmer 40 minutes or until meat is fork tender.

In an 8-quart kettle, combine the tomato paste, onion, crushed red pepper, green pepper, remaining 2 cloves garlic, remaining ½ teaspoon oregano, coriander, remaining ½ teaspoon pepper, tomatoes, saffron, and remaining broth. Bring to a boil, add rice, cover, and simmer 20 minutes or until rice is tender to bite. Drain shrimp and add to kettle with mussels, squid, and peas. Cover and cook until mussels open, about 15 minutes longer.

To serve, arrange rice mixture and meats on a large platter; decorate with pimiento. Makes about 10 servings.

Agoura, Calif.

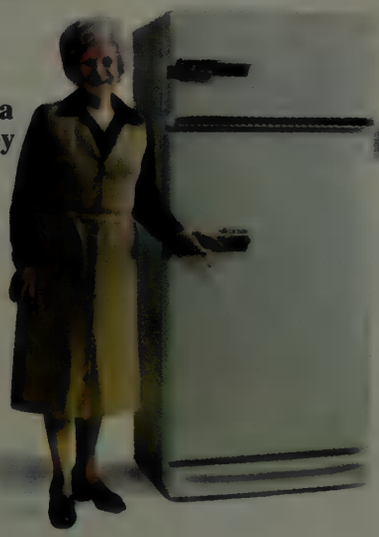
"THE BEST REASON FOR BUYING A NEW GE REFRIGERATOR IS AN OLD GE REFRIGERATOR." —The Steele Family.

Jane Steele
Verona, New Jersey

GE refrigerators are really built to last. And my old "Monitor" is lasting proof!

Talk about a great investment! I got it in 1957, when it was 23 years old. And it still works like a charm.

Of course, it doesn't have all the improvements and innovations General Electric's added over the years. But it shows how dependable GE refrigerators are. As I told my daughter Mary Ellen, they just can't be beat!



Great Aunt Agnes Spina
West Orange, New Jersey

I've spent nearly half a century depending on GE refrigerators.

We bought one of these in the mid-fifties, after giving away the faithful "Monitor" Jane has now.

What a workhorse! Soda was always cold, ice cream was hard, and it never needed any service.

So naturally when we modernized again five years ago, we went right back to GE for a big, beautiful side-by-side.

General Electric refrigerators really hold up. We've had enough of them to know!

Mary Ellen Steele Burns
Totowa, New Jersey

General Electric is a name you grow up with. You know it's dependable.

So we felt confident that our lower-priced GE refrigerator would give us the same quality and reliability as the most expensive model.

My mother told me GE refrigerators were the best kind, and of course we did a lot of shopping around.

No other brand had the features GE did for the same money. Or was as nice-looking, inside and out.

Suzanne Steele Walsh
Morristown, New Jersey

Having had GE refrigerators in the family for so long impressed me more than any brochure or sales talk.

So when we buy our new refrigerator, it won't be a question of "whether GE," but of "which GE."

And I think I know which—this gorgeous dream of a side-by-side!

It has plenty of space, important with our five children. And adjustable glass shelves, great for cleaning up spills.

Separate temperature control for the meat pan. Automatic defrosting. And the GE dispenser that gives you chilled water, ice cubes, even crushed ice. I love the 'New Naturals'™colors, too—so soft!

The reliability General Electric's been building into their refrigerators since Great Aunt Agnes bought hers makes me feel really confident.

Maybe some day *my* GE refrigerator will become a family heirloom too!

THE APPLIANCES AMERICA COMES HOME TO.

GENERAL ELECTRIC

Rice pudding ring for fresh fruit

Cool and creamy rice pudding cradles your choice of fresh summer fruits in this ring mold dessert for eight.

A few hours before serving, you can unmold the dessert and prepare the fruit. Chill the pudding and fruit separately; when ready to serve, spoon the fruit into the center of the ring.

Rice Pudding Ring

- 2 cups cooked rice
- 2 cups milk
- ½ teaspoon salt
- ¾ cup sugar
- 1 envelope unflavored gelatin
- ¼ cup orange liqueur (or ¼ cup orange juice with 1 teaspoon grated orange peel)
- 1 teaspoon vanilla
- 1 cup whipping cream
- About 4 cups fruit (suggestions follow)

Cook the rice according to directions on the package.

In a saucepan, combine the rice, milk, salt, and sugar. Bring to a boil, stirring; then reduce heat to medium and simmer uncovered, stirring often, for 30 minutes or until mixture is about the consistency of buttermilk.

Soften gelatin in the liqueur or orange juice for 5 minutes. Add to hot rice mixture and stir until dissolved; then add vanilla (and orange peel if used). Cover and cool to room temperature.

Meanwhile, whip cream in a deep, narrow bowl until it holds soft peaks; fold into cooled rice mixture. Pour into a greased ring mold (about 4½ to 5-cup size) and chill at least 3 hours, or until firmly set.

To unmold the pudding, run a sharp knife gently around outside and center edges of mold to loosen; dip ring in warm (not hot) water for 10 to 20 seconds. Place a serving plate over top of mold, invert, and shake firmly. Smooth edges of pudding into place with a knife, if necessary. Cover the unmolded pudding with clear plastic wrap and refrigerate until ready to serve. Then fill center with fruit. Makes about 8 servings.—*H. G., Menlo Park, Calif.*

DARROW M. WATT

Sliced peaches *flavored with orange liqueur fill a ring of molded rice pudding*

Fruit suggestions. Choose one or a combination of halved strawberries, other whole berries, peeled and sliced oranges, and sliced peaches or nectarines. Sweeten the fruit to taste with sugar; if desired, mix in about ¼ cup orange liqueur to complement the flavor of the pudding. Cover and chill. □

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DARROW M. WATT

Perfect for nibbling: *Minicarrots wait in refrigerator in a dill-weed marinade*

Minicarrots . . . in a dill marinade

Miniature carrots (sometimes called French carrots), or baby carrots that you thin from your garden, are particularly appealing when lightly cooked and marinated. Their petite size, inherent sweetness, and tender-crisp texture make them an appetizing snack that even weight-watchers can enjoy without concern.

Marinated Whole Carrots

- About 1 pound miniature carrots, peeled
- Boiling water
- 2 bay leaves
- ½ cup white vinegar
- ¼ cup water
- 3 tablespoons sugar
- ½ teaspoon *each* salt, mustard seed, and dill weed
- ¼ teaspoon *each* crushed red pepper and dill seed
- 1 clove garlic, minced or pressed

Arrange whole carrots in a vegetable steamer. Cover and steam over boiling water for 10 to 12 minutes or until just tender when pierced. (Or cook carrots in a covered baking dish in the microwave oven on full power for 6 to 8 minutes.) Plunge into cold water to cool quickly, then drain.

Pack carrots in a clean pint jar; tuck in bay leaves. In a measuring cup, stir together the vinegar, water, sugar, salt, mustard seed, dill weed, red pepper, dill seed, and garlic until sugar is dissolved. Pour over the carrots, cover, and refrigerate for at least 2 days or as long as 2 to 3 weeks. Makes 1 pint. □

How to make a noisy salad.

Add Durkee/O&C Real French Fried Onions to *any* salad. The crunchy ones with the mild, sweet onion flavor. They're the noisiest thing to get mixed up in salads since croutons. Here's just one recipe to start you crunching.

Noisy Spinach Salad

1 package (10 ozs.) fresh spinach
1/4 pound sliced bacon, cut in 1/2 inch pieces
4 slices processed white American or Swiss cheese, cut in small squares
1 large carrot, pared and sliced
1 can Durkee/O&C Real French Fried Onions
1/3 cup Italian salad dressing

Trim stems and coarse ribs from spinach. Wash leaves and drain well. Break or cut into bite-size pieces, place in a large salad bowl. Cook bacon until crisp. Drain on paper towels. Toss all ingredients together except onions and salad dressing. Chill thoroughly. Toss with onions and dressing just before serving. Makes 8 servings.

Puts the crunch in any salad.

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Wee quiche is two-bite-size

Mini-quiche *with filling makes a shrimp and olive bite-size appetizer*

DARROW M. WATT

Tiny, savory individual quiches are popular appetizers. Baked in muffin pans, each is about two-bite-size.

For variety, you can change the fillings —we suggest shrimp with olives, bacon and mushroom, ham with green chiles, and clam and bacon. You can bake them a day ahead, then reheat; they're good warm or at room temperature.

Appetizer Mini-quiches

Prepare enough pastry for a double-crust 9-inch pie using a pie crust mix or your favorite recipe, adding the following seasoning to the dry ingredients depending on the filling you choose: Add ¼ teaspoon dill weed for the shrimp and olive, ½ teaspoon caraway seed for bacon and mushroom, ½ teaspoon chile powder for ham and green chile, or 2 teaspoons parsley flakes for the clam and bacon-filled quiches.

On a lightly floured board, roll out the dough 1/16 inch thick. Cut out 42 circles, using a 3-inch cutter; re-roll scraps as needed. Fit circles into bottoms and slightly up the sides of lightly greased 2½-inch muffin pans.

Divide filling equally among muffin cups. Lightly beat together 5 eggs, then add 1⅔ cups sour cream and stir until smooth. Spoon about 1 tablespoon into

From blah to ahhh in just a shake.

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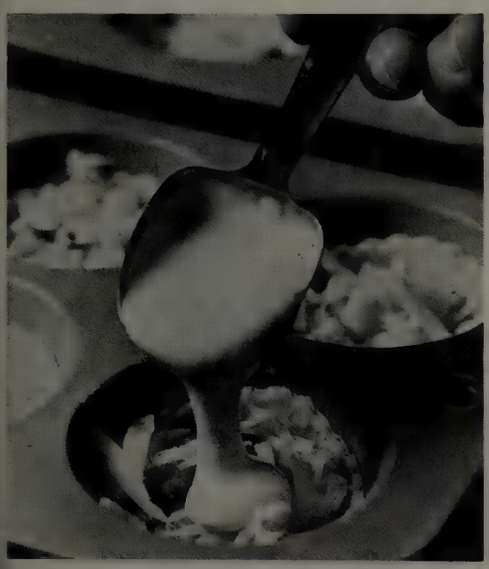
each muffin cup.

Bake in a 375° oven until puffed and light brown, 20 to 25 minutes. Cool in pans 5 minutes; lift out. Serve warm or let cool on wire racks. If made ahead, wrap cooled quiches airtight, and refrigerate overnight. Reheat, uncovered, in a 350° oven about 10 minutes. Makes 3½ dozen.

Shrimp and ripe olive filling. In a bowl, mix together ⅓ pound small cooked shrimp, coarsely chopped; 1 can (2½ oz.) sliced ripe olives, drained; ⅓ cup chopped green onion; and 1⅔ cups (about 7 oz.) shredded Swiss cheese. Divide this filling among muffin cups. Add a pinch cayenne to egg and sour cream mixture, then spoon about 1 tablespoon into each cup.

Bacon and mushroom filling. Fry 8 slices bacon until crisp, then drain and crumble or chop. Also chop ¼ pound fresh mushrooms and sauté them in 1 tablespoon butter or margarine until limp and mushroom liquid evaporates. Combine bacon, mushrooms, ⅓ cup chopped green onion, and 1⅔ cups shredded Swiss or jack cheese. Divide among muffin cups; add egg mixture.

Ham and green chile filling. In a bowl, mix together ¾ to 1 cup finely diced cooked ham (about 3 oz.), 3 to 4 tablespoons chopped canned California green chiles, ¼ cup chopped green onion, and 1⅔ cups shredded jack cheese. Divide among muffin cups; add egg mixture.



Custard mixture *of egg and sour cream is spooned over a choice of fillings*

Clam and bacon filling. Fry 3 slices bacon until crisp, then drain and crumble or chop. Combine the bacon with 2 cans (6½ oz. *each*) chopped clams, well drained; ⅓ cup chopped green onion; and 1⅔ cups shredded Swiss cheese. Divide among muffin cups. Add a pinch garlic powder to egg mixture, then spoon into cups. □

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DARROW M. WATT

Cut thick stems *from Swiss chard leaves, then slice stems and leaves and combine them with potatoes, eggs, and cheese in a hearty casserole*

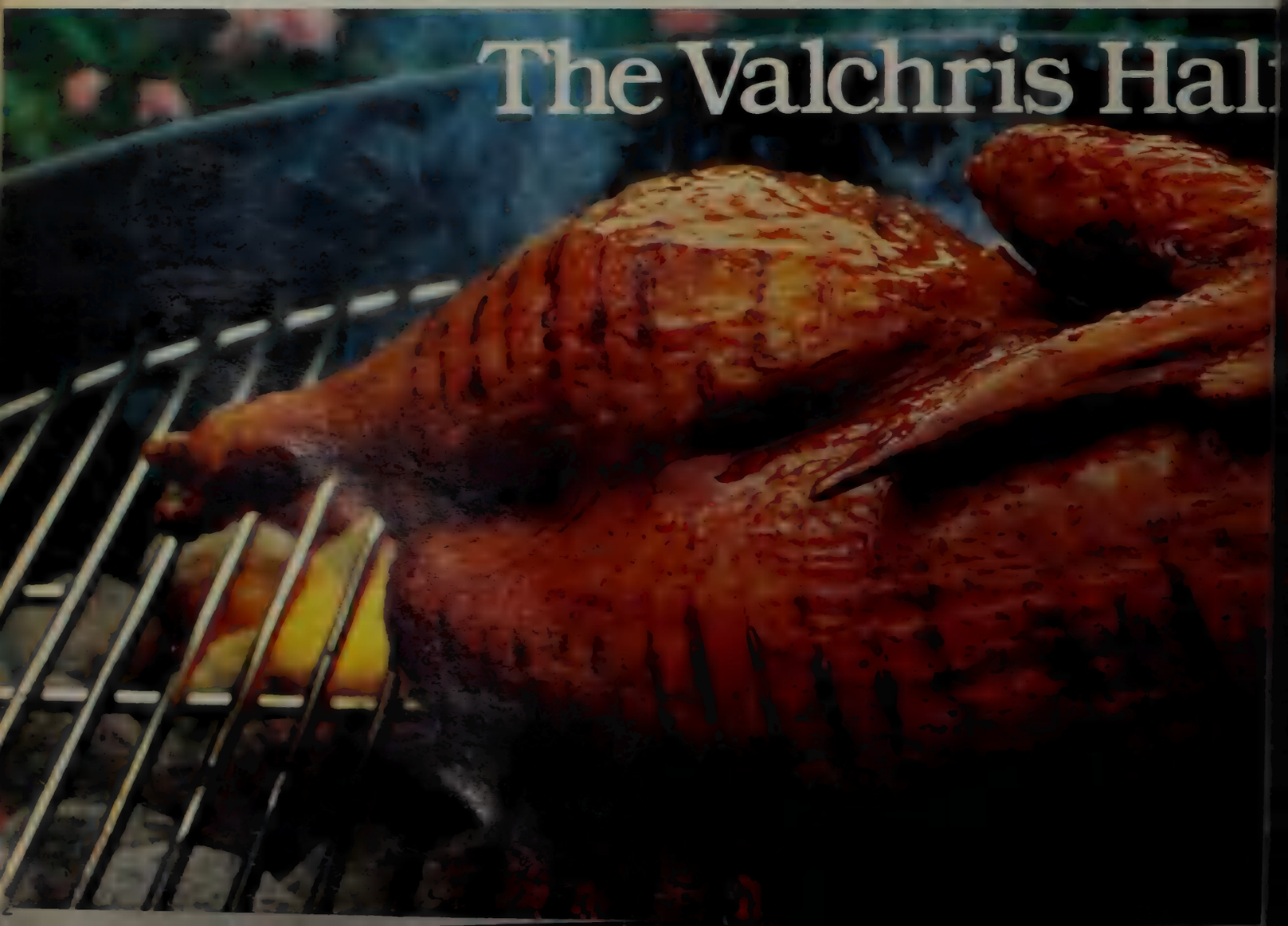
Chard with cheese or potatoes . . . or chard salad

Mild and succulent Swiss chard is the center of these three vegetable dishes. You can use either white or red chard; the red (called rhubarb chard) is usually slightly sweeter. Serve these simple, nutritious dishes with barbecued or broiled meat and rolls for simple summer meals.

Scalloped Chard and Potatoes

- 1 bunch (about 1 lb.) Swiss chard
- 4 medium-sized (1½ to 2 lbs.) baking potatoes
- ½ cup (¼ lb.) melted butter or margarine
- 3 eggs, slightly beaten
- ¼ cup milk
- 1½ teaspoons garlic salt
- ½ teaspoon pepper
- 2 tablespoons minced onion
- ½ cup grated Parmesan cheese

Wash chard under running water and pat dry. Cut stems out of each leaf; slice stems into ¼-inch pieces and place in a large bowl. Stack leaves and cut



across in ½-inch strips; add to stems. Scrub potatoes and slice into ⅛-inch slices (6 to 7 cups); set aside about 1½ cups to go on top of the casserole and add the rest to the chard.

Use about 3 tablespoons of the butter to generously grease a shallow 2-quart baking dish. Add remaining butter to chard mixture, stir, and set aside.

In a small bowl, combine eggs, milk, garlic salt, pepper, minced onion, and ¼ cup of the Parmesan cheese; stir into chard mixture. Pour mixture into baking dish and arrange remaining potato slices in an even layer over top. Cover with foil and bake in a 375° oven until potatoes in center of casserole are thoroughly tender, about 50 minutes. Uncover and sprinkle remaining cheese over top. Continue baking until cheese is golden, about 10 minutes. Makes 6 servings.—*K. C., Palo Alto, Calif.*

Baked Chard with Cheese

- 2 bunches (about 1 lb. *each*) Swiss chard
- 4 tablespoons butter or margarine
- 3 tablespoons all-purpose flour
- 1¼ cups milk or half-and-half (light cream)
- 2 cups (about 8 oz.) shredded Swiss cheese
- 1 teaspoon salt
- Pepper
- About ¼ teaspoon ground nutmeg

Wash chard under running water and drain. Cut out the thick stems and slice into ¼-inch pieces. Place in a vegetable steamer; cover and steam over boiling water until tender, about 10 minutes. Stack the leaves and cut crosswise into ½-inch strips; steam until tender, 5 to 7 minutes.

To make sauce, melt the butter in a small saucepan over medium heat and stir in flour; cook, stirring, until bubbly. Gradually stir in milk, and cook, stirring, until mixture thickens, about 10 minutes. Remove from heat and stir in ¾ cup of the cheese and the salt; add pepper to taste.

Line the bottom of an ungreased 2-quart baking dish with a few of the cooked leaves, add stems, and spoon about ⅓ of the sauce on top. Repeat with remaining leaves and sauce to form 3 layers. Top generously with remaining cheese and sprinkle with nutmeg. If made ahead, cover and chill.

Bake, uncovered, in a 350° oven for 20 minutes (25 minutes if chilled), until cheese melts and chard is heated through. Then place dish under a broiler 2 to 3 minutes to lightly brown cheese.

To cook in a microwave oven, cover dish with clear plastic wrap and cook on full power 5 to 7 minutes until hot, turning dish once. (If chilled, cook 9 to 10 minutes on half power, turning dish once, then 1 to 3 minutes on full power.) Place dish under a broiler 2 to 3 minutes to brown cheese. Makes 4 to 6 servings. —*N. P., Saratoga, Calif.*

Marinated Swiss Chard Salad

- ½ cup salad oil
- 2 cloves garlic, minced or pressed
- 3 tablespoons white wine vinegar
- 3 tablespoons Dijon mustard
- ½ teaspoon salt
- ¼ teaspoon *each* pepper and ground cumin
- 1 teaspoon sugar
- 2 bunches (about 1 lb. *each*) Swiss chard
- ¼ cup chopped green onion
- 1 or 2 hard-cooked eggs, chopped

Pour salad oil into a jar or container; add garlic, vinegar, mustard, salt, pepper, cumin, and sugar. Cover and shake vigorously to blend. Set aside.

Wash chard under running water and drain. Cut the thick stems out of leaves and slice them into ¼-inch pieces. Place in a vegetable steamer; cover and steam over boiling water until tender, about 10 minutes. Cut leaves into ½-inch strips and steam until tender, 5 to 7 minutes. Cool cooked chard to room temperature.

Combine stems and leaves with green onion. Shake dressing, if necessary, and add to chard mixture; stir together. Cover and chill at least 2 hours or as long as overnight. Garnish with chopped egg and serve chilled or at room temperature. Makes about 6 servings. □

You barbecue it right on top of the grill!

You can use even the smallest barbecue with the family-sized Valchris Half Turkey. Just put it directly over the coals, and cover with foil. If you have a spit or kettle-type barbecue it's easy to roast or smoke either a whole or half Valchris Turkey.

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Wedge of pizza *resembles a very thin egg custard quiche. Serve it hot or at room temperature with fruit for breakfast or brunch*

Creamy beaten egg *is poured into pastry crust filled with sliced ham, Swiss cheese, and sautéed mushrooms. Bake until set*

DARROW M. WATT

Breakfast pizzas...your guests will salute you

Pizza for breakfast may sound strange, but then these aren't ordinary pizzas. They're more like thin quiches, combining breakfast favorites such as ham and mushrooms or bacon and cheese in a custard-filled pastry crust.

You can prepare the crust and assemble the filling and custard mixture at night, then bake it in the morning.

Ham and Mushroom Breakfast Pizza

- Pastry for a single-crust 9-inch pie
- ½ teaspoon poppy seed
- 1 package (4 oz.) sliced cooked ham
- 1 package (6 oz.) sliced Swiss cheese
- ¼ pound mushrooms, sliced
- 3 green onions, thinly sliced
- 2 tablespoons butter or margarine
- 3 eggs
- ¾ cup milk

Prepare pastry, adding poppy seed to dry ingredients. Roll out and fit into a 12-inch pizza pan; crimp edge. Bake on the lowest rack of a 425° oven for about 5 minutes. Gently press bubbles down; top with ham and cheese.

Sauté the mushrooms and onions in the butter until limp, then distribute over the ham and cheese. Beat together the eggs and milk; pour over pizza. Return to lowest oven rack and bake 18 to 20 minutes longer or until set. Serves 4.

Bacon and Cheese Breakfast Pizza

Prepare enough pastry for a single-crust 9-inch pie. Roll out and fit into a 12-inch pizza pan; crimp edge. Bake on the lowest rack of a 425° oven for 5 minutes. Gently press bubbles down.

Fry ½ pound bacon until crisp; drain and tear into pieces. Sprinkle bacon and 2 cups shredded Swiss cheese over the crust. With a wire whip, lightly beat together until smooth 4 eggs, 1⅓ cups sour cream, and 2 tablespoons chopped parsley; pour over pizza.

Return to lowest oven rack and bake 20 to 25 minutes longer or until puffy and lightly browned. Serves 4.

Quick jams.©

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Quick Strawberry (or Black Raspberry) Jam

Wash, stem and crush about 2 quarts berries. Measure 3¼ level cups crushed berries and ¼ cup lemon juice into 4-quart kettle; stir well. Slowly sift in 1 package MCP® Jam and Jelly Pectin, stirring vigorously. Set aside 30 minutes, stirring occasionally. Add 1 cup Karo® Light Corn Syrup. Mix well. (Karo keeps sugar crystals from forming.)

Measure 4½ level cups sugar into dry bowl, then gradually stir into berry mixture. Warming to 100°F. (lukewarm) will hasten the sugar dissolving. No hotter, please! When the sugar is dissolved, jam is ready to eat. Ladle into jelly glasses or freezer containers with tight lids. Store in freezer. Jam to be used within 2-3 weeks may be stored in refrigerator. Yield: 7 cups. NOTE: Other fruit may be substituted for the berries. Check the recipe folder inside every package of MCP Pectin for more freezer jam recipes.

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CASTLE & COOKE INC

Two delicious make-ahead breads ... raisin-nut and almond-banana

Loaves of fruit-and-nut bread, baked two at a time, can stock your refrigerator or freezer for many different occasions. Slices of these moist, quick breads are delicious for breakfast or with mid-morning coffee. Spread them with cream cheese or butter to make dainty tea sandwiches, take on picnics, or serve with luncheon salads.

Each recipe makes 2 loaves. To cut thin, make at least a day ahead and chill.

Lemony Raisin-Nut Bread

- 1 cup *each* boiling water and raisins
- 1 large lemon
- ½ cup (¼ lb.) butter or margarine, at room temperature
- 1 cup packed brown sugar
- 1 egg
- 1 teaspoon vanilla
- 2¼ cups all-purpose flour, unsifted
- 1 teaspoon *each* baking powder and soda
- ¼ teaspoon salt
- ½ cup wheat germ
- 1 cup chopped walnuts or almonds

In a small bowl, pour boiling water over raisins; cool. With a vegetable peeler, remove all the thin yellow peel from the lemon; chop it finely (you should have about 2 tablespoons). Cut all the white inner peel off the lemon and discard it. Finely chop the lemon pulp, removing any seeds; add pulp and peel to the cooled raisins and set mixture aside.

In a large bowl, beat the butter and sugar together until creamy. Add egg and vanilla and beat until fluffy. In a separate bowl, stir together the flour, baking powder, soda, salt, and wheat germ. To creamed butter mixture, alternately add flour and raisin mixture. Mix until all ingredients are evenly moistened. Stir in nuts. Divide batter into 2 greased loaf pans (about 4½ by 8½ inches each). Bake in a 350° oven until a pick inserted in center comes out clean, about 40 to 45 minutes.

Cool in pans for 20 minutes, then remove bread and cool completely. Wrap well and refrigerate for at least 24 hours for easiest slicing. Makes 2 loaves.—*P.R., Palo Alto, Calif.*

Almond-Banana Bread

- ½ cup (¼ lb.) butter or margarine, at room temperature
- 1 cup sugar
- 1 egg
- 1 teaspoon almond extract
- 1½ cups mashed ripe bananas (4 or 5 medium-sized bananas)
- 2 cups all-purpose flour, unsifted
- ½ cup quick-cooking toasted wheat cereal or cream of wheat
- 1 teaspoon *each* baking powder and soda
- ¾ teaspoon *each* ground cinnamon and nutmeg
- ¼ teaspoon salt
- ¾ cup chopped almonds

In the bowl of an electric mixer, beat together the butter and sugar until creamy. Add the egg and almond extract and beat until fluffy. Mix in the bananas.

In another bowl, stir together the flour, cereal, baking powder, soda, cinnamon, nutmeg, and salt. Gradually add the flour mixture to the creamed mixture, stirring just until evenly blended. Stir in the almonds.

Divide batter into 2 loaf pans (about 4½ by 8½ inches each). Bake in a 350° oven until a pick inserted in center comes out clean, 45 to 55 minutes.

Cool in pans for 20 minutes, then remove bread and cool well. Wrap and refrigerate for at least 24 hours. Makes 2 loaves.—*P. H., Sunnyvale, Calif.* □

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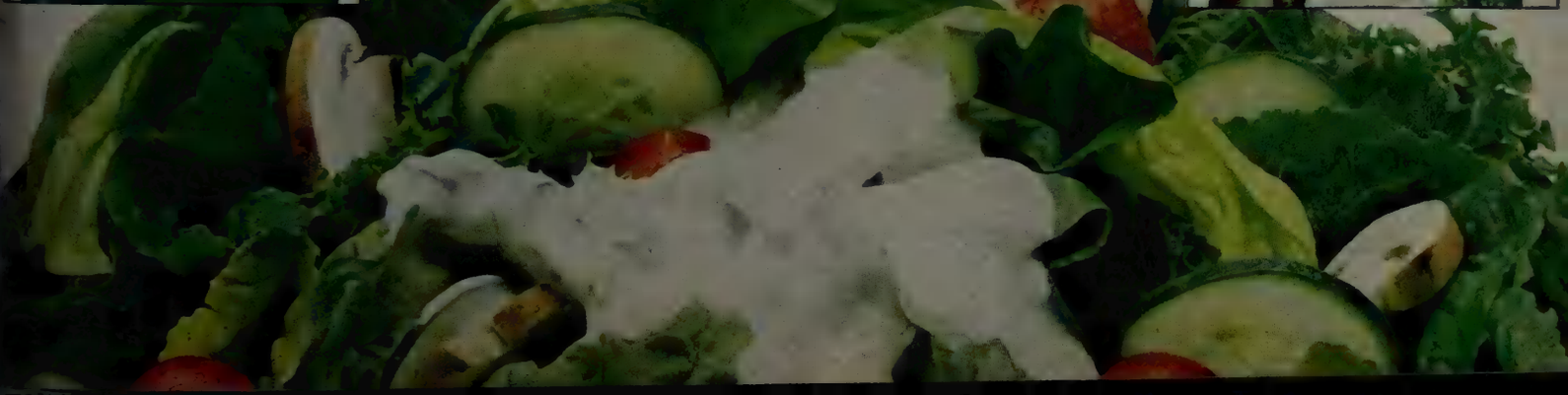

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Mexico's *flan*... easy but impressive golden custard

Flan, a golden custard topped with caramel sauce, makes an impressive, easy-to-prepare dessert to complement the giant taco dinner described on page 78.

You simply melt sugar until it's caramelized, then pour it into a pie pan to coat the bottom and sides. Then you heat a mixture of spices and milk, add it to beaten eggs, and pour it into the caramel-lined pan before baking. As the baked flan cools, the caramel dissolves to form a delicious sauce.

Spiced Caramel Custard Flan

In a cheesecloth bag or tea ball, combine 4 whole cloves, 2 *each* whole allspice and cardamom pods (crushed), and 1 cinnamon stick about 2 inches long, broken in half. In a 2-quart saucepan, combine spices with 2 cups milk and 1 teaspoon vanilla; set aside.

In a small frying pan over medium heat, melt ⅓ cup sugar; shake and tilt the pan rather than stir the sugar. When melted, the sugar will caramelize quickly. Immediately pour sugar into a 1¼-inch-deep, 9-inch-wide metal pie pan. Using hot pads to hold the pan, tilt it quickly so syrup flows over bottom and slightly up sides. If syrup hardens before you finish, set pan on medium heat to soften.

Heat milk and spices until steaming hot, then remove from heat and cool slightly; remove spices. In another container, beat 6 eggs with 6 tablespoons sugar; gradually add heated milk, stirring quickly with a fork.

Set caramel-lined pan in a larger pan and pour in the egg mixture. Add enough boiling water to larger pan so it just comes up around edges of pan.

Bake for about 15 minutes or until a ⅜-inch-deep crevice forms when you gently push center of custard with the back of a spoon. Remove flan from hot water and refrigerate immediately. Chill at least 6 hours or overnight.

DARROW M. WATT

Slowly add *spiced milk to beaten eggs for custard flan. Preheating the milk intensifies the spiced flavor and shortens the baking time*

To serve, loosen edge of custard with a knife, then cover pie pan with a rimmed plate. Holding both together, quickly invert. Cut in wedges to serve, spooning caramel sauce on top. Serves 6 to 8. □

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HOW 'BOUT SOMETHING MEATY.

JULY IN YOUR GARDEN:

It's put your feet up month. It's keep cool month. But there are things to do. We suggest many

The heat is on. While July temperatures are rising, you'll probably be doing just the opposite—settling down in the shade of your garden, enjoying the bounty of your flowers and vegetables. Wherever possible, keep gardening chores to a minimum, and tend to them in the coolness of day's end.

Maintenance is the watchword for this month's gardening activities, with watering topping the list. Most gardeners learned waterwise ways during the last few years, and now you'll have a chance to test your skills. It never hurts to conserve.

There are other things you can do, too, such as starting fall vegetable crops and planting late-season flowers. Review the check list on page 166 for some other reminders.

Watering tip for hanging baskets

If you've ever grown plants in hanging wire baskets, you know they need regular attention. During hot midsummer weather, they may need watering as much as once or twice a day to keep them moist; otherwise the lining of sphagnum moss or the peat in the soil mix may dry out and start to repel water as efficiently as a duck's back.

To get these baskets wet again, you can take them down and soak them in a tub of water. Another solution, though, especially good for large or hard-to-reach baskets, is to add a liquid soil penetrant when you water. This substance works by breaking down the surface tension of the water so it won't form droplets that roll away. Use only a small amount, mixed with water: follow instructions on the container label for proper dilution.

Mix up a tonic for your summer bouquets

The cut flowers you gather from your garden this month will last longer if you add a preservative to their water. You can buy commercial products that contain a sugar plant food and a germicide (to kill decay bacteria), or you can easily make your own.

The American Horticultural Society recommends this mixture: equal parts of lemon-lime carbonated beverage and water, plus ½ teaspoon chlorine bleach for each quart of solution. The sugar and citric acid aid plant respiration, and the bleach helps control bacteria.

Savoy cabbage is versatile, has unique flavor and texture

Gardeners who've tried savoy cabbages think they're fun to grow and a treat to eat. Their tender, ruffly leaves are attractive and tasty in salads, but also great for slicing thin and adding to dishes you sauté or stir-fry. Savoy leaves are sweet and juicy, and they even freeze well. They're somewhat milder than other cabbages, and the heads are looser.

Plants from seed are ready to harvest in about three months. In all but high-elevation areas, you can start seeds of savoy cabbage this month or next for fall harvesting. In mild coastal climates, where cole crops grow through the winter, there's still plenty of time to order seed from mail-order catalogs if you can't find them on nursery seed racks.

Sunset's GARDEN GUIDE

Full-grown cabbages weigh 4 to 4½ pounds. Big beautiful heads need rich soil, regular fertilizing and watering, and full sun. This is such a handsome cabbage you may want to tuck one into a flower bed for show.

Landscaping with vegetables?

We see more and more gardens where flowers and vegetables grow all together, sometimes with smashing results. It's a good idea: many vegetables are as good to look at as they are to eat; they have colors, textures, and forms that can mix

Ruffled *savoy cabbage opens like a flower. Mild flavor and quilted leaves add taste and texture to salads*

DON NORMARK

st forest screens their house from the street

t two years from planting, this subdivision lot in Mission Viejo, California, a small forest growing on it. The Charles Vickers achieved it by nting more than 50 fast-growing trees. In addition to the liquidambar eucalyptus that screen the house from passing traffic, as seen in the view m streetside at left, they set out redwoods, Monterey pines, ifornia sycamores, white alders, and acacias.

e trees were planted close together—some only 3 feet apart—for mediate effect; they'll be thinned as they get older.

add variety, the Vickers built a dry stream bed of native river rock, nned by a wood bridge. During rainy weather, it's fed by downspouts n the house.

Sunset's GARDEN GUIDE

BILL ROSS

Waist-high *Gloriosa daisies take a shine to water, food, and rich soil. But they also do well on very little water*

attractively with bright-colored flowers. Here are a few suggestions:

Rhubarb chard (big red and green leaves) with cherry red petunias; mustard greens (dark green and ruffled) and tall African marigolds; 'Dark Opal' basil (bushy claret-colored herb) or parsley edging a bed of multicolored zinnias

Loose-leaf lettuce—red-leafed, oak leafed, curly-leafed—makes a quick-growing foliage display anywhere; a low hedge of green peppers (planted closely, 12 inches apart) is an attractive border for your housefront walkway.

Big and golden

Not counting sunflowers, Gloriosa daisies (*Rudbeckia*) are about the biggest, most colorful flowers you can plant. And July isn't the least bit too late to plant them; they do best during late summer's hot weather.

Flowers are big—from 3 to 7 inches across. So is the plant—2½ to 3 feet tall. But even though the plants are tall, they're not very wide; you should plant them only 18 to 24 inches apart.

Gloriosa daisy responds dramatically to good soil, feeding, and watering. However, it can also grow and perform on very little water. (It's one of the 12 low-water-need plants that *Sunset* recommended to gardeners last year in water-rationed California.) If you grow them in pots, though, you must feed them at least every month.

Single-flowered kinds of Gloriosa daisies are most common, in various colors—gold, gold with shades of mahogany red, occasionally all mahogany. The Double Gold strain has somewhat small, fluffy, golden yellow flowers. 'Pinwheel' has large mahogany and gold flowers.

Flowers of the Rustic Colors strain are gold, orange, mahogany, brown, and mixtures of these colors. Plants tend to be a little shorter, to 2½ feet.

Most Gloriosa daisies have dark centers, but 'Irish Eyes' has a light green center and golden petals.

You should be able to find these kinds as young plants in gallon cans, small packs, or 4-inch pots. All are excellent, long-lasting cut flowers. They're perennials, so plants you put in now will bloom again for the next two or three years. □

JULY CHECK LIST: *Here is what most needs doing*

☐ **Divide iris.** Divide and replant overgrown clumps of bearded iris this month or next if you live near the coast. Wait until September in hotter inland areas.

☐ **Feed and water.** Plants in hanging baskets and containers need special attention. They dry out more quickly than plants in the ground, and their fast-draining soil retains few nutrients. Feed every week or two (unless you applied a slow-release fertilizer at planting time) and check soil moisture daily.

☐ **Groom, prune and clean up.** Pick faded flowers from fuchsias, roses, and summer annuals to keep them blooming. Straggly petunias may be pruned heavily—they'll fill out and flower again quickly. Tip-pinch chrysanthemums for the last time this month.

Trim suckers and rub off stem sprouts on standard-trained trees and shrubs. Remove stems of cane berries that have fruited, then tie up new canes that will produce next year's crop. Clean up fallen fruit beneath apricot and plum trees.

☐ **Plant for summer/fall color.** Ageratum, celosia, cosmos, marigolds, portulaca, salvia, sweet alyssum, verbena, and zinnias can still be planted this month. Avoid plants that show signs of age—leggy stems and roots protruding through bottom holes of cell-packs. Chrysanthemums, Shasta daisies, and Gloriosa daisies planted now will bloom in late summer and fall, and bright-leafed coleus will add quick color to shady spots.

Break matted roots off soil balls before planting, water young transplants in thoroughly, and protect them from strong midday sun.

☐ **Plant herbs.** Those started from seeds this month should be ready for light harvesting by fall.

☐ **Plant vegetables.** Where warm weather lasts well into fall, you can still set out tomato plants and sow seeds of beans, beets, carrots, chard, corn, cucumber, and squash. In most areas, fall planting begins now: Start seed of broccoli, cabbage, leeks, lettuce to set out later. Coastal gardeners can do as well by waiting until next month to plant the cool-season crops.

☐ **Tend compost piles.** Add raw materials (such as grass clippings) in layers less than 2 inches deep, since thick mats of rotting material invite fly breeding. Keep compost damp and turn it regularly. Nitrogen, from animal manure or even lawn fertilizer, added now speeds decomposition.

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3:20p SF TriStar RS	8:19p Nonstop	10:17p One-stop Thru	11:49p One-stop Thru
10:00p SF NC TriStar	—	—	5:15a Nonstop
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How some gardener-cooks put food dryers to good use

STEVE W. MARLEY

Compact dryer's *screened shelves need 2-inch spacers for better air flow*

DOUG WILSON

Homemade food dryer *is heated by four 150-watt bulbs. Widely spaced trays are ¼-inch hardware cloth painted with nontoxic baker's paint*

Combine a productive garden, a creative cook, and a food dryer, and the result is a wide variety of innovative, time-saving foods. Here's how some gardener-cooks use the food dryers they built.

Carol Corbett of Lake Oswego, Oregon, dries celery tops, cauliflower and broccoli leaves, garlic, onions, and a variety of herbs, then whirls them together in a blender for an instant soup mix. Her leftover bread becomes croutons, stuffing, or crumbs, with the addition of herbs, Parmesan cheese, dried garlic, and onion. With her homemade dryer, she preserves sale-priced mushrooms and produce such as old soft potatoes. She also dries flowers and herbs for sachets, and makes leftover juices and puréed fruits into fruit leathers.

To make it easier to remove fruit leathers from the dryer trays and other sticky foods from the shelves, she uses a nonstick vegetable spray. To turn foods for more even drying, she just puts an empty shelf on top of the full one and flips them.

Melita Israel of Aptos, California, dries slices of tomato and pulverizes them in a blender with dried herbs and seasonings to make instant powder for soup, tomato paste, or spaghetti sauce. She dries thin slices of zucchini and cauliflower into chips for dips. Her dried rhubarb and raspberries make tart, lightweight snacks for backpacking trips. Drying concentrates the flavor and sweetness of fruits, so that even bland sand pears taste richer.

Monika Nelson of Napa, California, spreads fruit-flavored yogurt on plastic wrap to dry into leather. Her dried melons—in slices or pulverized—add marvelous flavor to punch; so do dried strawberries and raspberries.

A dryer can also be used to dry homemade noodles, granola, jerky, citrus peel, and candied or flavored nuts; to raise bread; and to incubate yogurt.

Two homemade dryers

Ted and Carol Corbett's dryer shown above is a simple vented box heated with four 150-watt light bulbs. Vent holes are in the base of the door and at the back of the roof. It was made tall and narrow to create an adequate air current, since it doesn't include a fan. Lacking a fan also means that extra care must be taken to rotate shelves from front to back and from top to bottom for even drying.

Bob and Melita Israel's dryer, in the small picture, can be more compact because air movement is forced by a fan in the bottom. A thermostat and switch give a range of controlled temperatures.

After some experimenting, the Israels added 2-inch spacers between shelves to improve air flow. Inch-thick styrene foam between the plywood box and its aluminum lining conserves energy. Their dryer sits on a shelf in a roofed area just outside the kitchen door. Its vent holes are screened to keep out insects.

On page 94, we show plans for a third food dryer that uses solar energy.

To learn more

Several publications on drying foods include plans for building dryers. One is Cooperative Extension Leaflet 2785, "Drying Foods at Home," free to California residents from County Cooperative or Agricultural Extension offices. Residents of other states may send for the same title as USDA Home and Garden Bulletin 217; send a check for 45 cents to U.S. Superintendent of Documents, Consumer Information Center, Pueblo, Colo. 81009.

Another useful reference (without dryer plans) is *The ABC's of Home Food Dehydration*, by Barbara Densley (Horizon Publishers, Box 490, Bountiful, Utah 84010, 1975; $3.95 plus 75 cents for shipping. □

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Bean damagers . . . and what to do

Most of the beans that Westerners planted this year will become bushes or vines with bounteous crops. But some will run afoul of damaging organisms. Here are the symptoms of the most common West Coast damagers on bean plants (other localized, more obscure creatures can also do damage).

Holes in leaves

One hole chewer is the diabrotica beetle. It looks something like a green ladybird beetle. If it eats seed leaves, it can quickly destroy the plant; if it eats holes in big leaves, it can't hurt much. Either way, it's generally impractical or unnecessary to fight.

Holes with no chewers visible in daytime can be made by slugs or snails—put out bait—or cabbage loopers (striped measuring worms). Look for the latter with a flashlight after 10 P.M. If you find them, hand-pick and destroy, spray with *Bacillus thuringiensis* (Biotrol, Dipel, or Thurocide), or dust with sevin.

Sooty leaves and visible misbehavers

Shiny or sooty film on leaves is outfall from sucking insects, probably whiteflies (tiny white things that fly when disturbed) or black aphids (pinhead-sized black globs on stems).

Aphids are easy—just wash them off. Whiteflies are much more difficult to shoo away. Try washing them off late in the day. Or drench leaf undersides twice, five days apart, with a spray of malathion, diazinon, or pyrethrum—read labels carefully.

Discolored leaves

In hot dry climates, mites make yellowish or grayish spots on tops of leaves and a webbing on undersides. Dusty leaf surfaces help mites by inhibiting predatory creatures that would kill them. So one control is to wash leaves occasionally. Another is to apply dusting sulfur: Hit leaf undersides and repeat in 10 days. Or, order mite-eating mites (*Phytoseiulus persimilis*) or lacewing larvae and release them on plants; one good source is Rincon-Vitova Insectaries, Inc., Box 95, Oak View, Calif. 93022.

Patches of grayish powder on leaves, along with growth distortion, mean powdery mildew. Near the coast it hits bean plants when beans begin to set, or after. Powdery mildew is impossible to eradicate, but you may avoid it by watering on the ground rather than overhead. □

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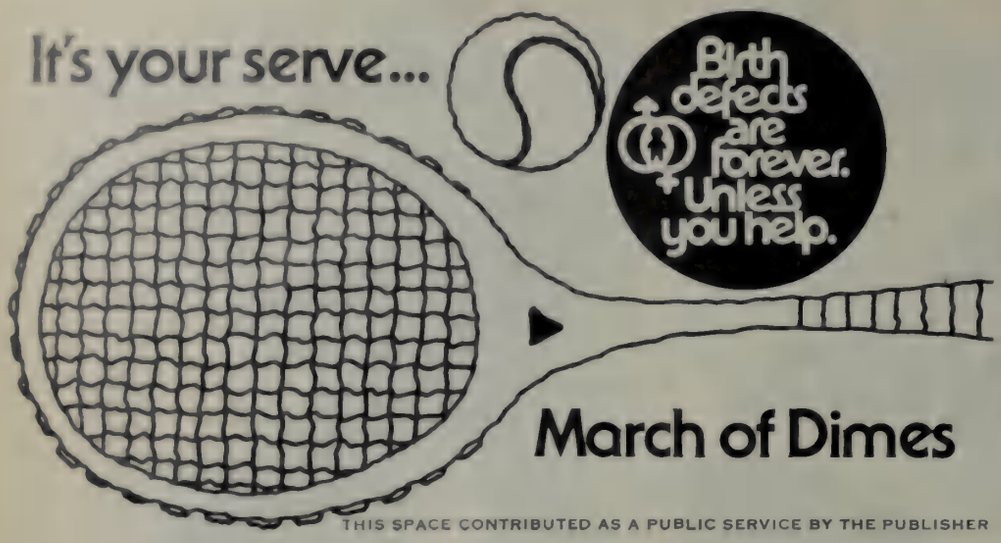

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Easy stuff.

Now a great Italian recipe made easy. Nobody likes to stuff limp, cooked macaroni. That's why Golden Grain created Stuff-A-Roni. You fill it with good things before it's cooked—when it's firm, solid and easy to stuff. And, with marvelous Golden Grain Marinara sauce, it's fun to fix "Stuff-A-Roni Florentine." Try it. You'll be glad you did it our way.

Stuff-a-Roni Florentine

1 pkg. Golden Grain Stuff-A-Roni.
2 (15 oz.) cans Golden Grain Marinara Sauce.

Filling:

½ lb. ground beef
1 med. onion, minced
2 Tbsp. oil
1 cup soft bread crumbs
10 oz. pkg. spinach, thawed
2 Tbsp. grated Parmesan
3 eggs
1½ tsp. salt
¼ tsp. pepper

Cover bottom of oblong 2 qt. baking dish with 1 cup sauce. Brown beef and onion in oil; add remaining ingredients. Fill uncooked Stuff-A-Roni; arrange in single layer in baking dish. Pour remaining sauce with ½ cup water over top. Cover with foil; bake at 375°F., 1 hour.

THE GOLDEN GRAIN FAMILY OF FINE FOODS

DARROW M. WATT

Weeping habit *makes Agapetes a natural for hanging baskets, pots on pedestals, or for cascading on a shaded wall*

Like a row *of red lanterns, inch-long red flowers hang beneath weeping branches*

This huckleberry is a weeper

To describe *Agapetes serpens* in a hurry, call it an evergreen weeping red-flowered huckleberry. Once classified as a true huckleberry (*Vaccinium*), it resembles the native evergreen huckleberry (*V. ovatum*) in the gloss and substance of its foliage, and the new growth has the same coppery tinge. But leaf size and flower structure are different.

Branches shoot upward from a woody, tuberlike base, then arch and eventually weep, possibly to 3 feet in length. In their native Himalayas, the plants grow as epiphytes on trees and, like many epiphytes, are tougher than they look. Give them azalea conditions, and protect them if temperatures dip to 25° or lower.

Over a long spring and early summer season, flowers dangle in profusion from the branches. They show up best at eye level, where thin dark red stripes contrast in attractive patterns against the lighter red base color.

This rare plant, still sometimes sold under another old name, *Pentapterygium serpens*, can be ordered through your nurseryman. □

TAKE A DEEP BREATH.

NOW THANK A TREE.

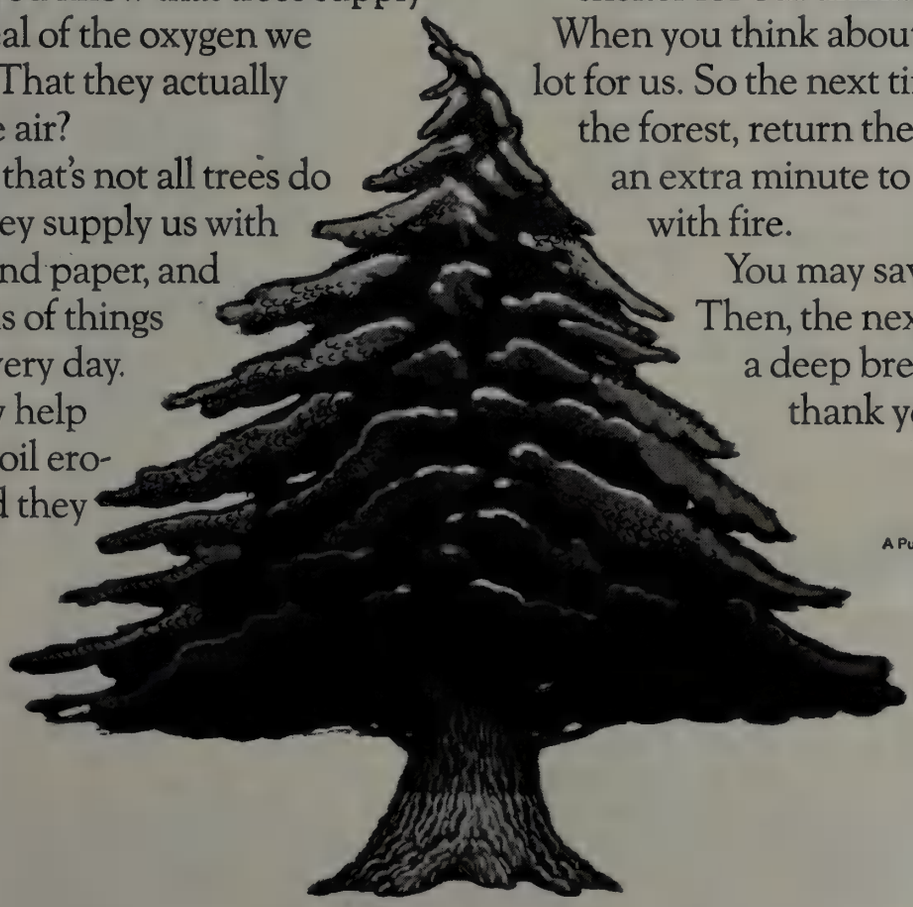
Did you know that trees supply a great deal of the oxygen we breathe? That they actually purify the air?

And that's not all trees do for us. They supply us with lumber, and paper, and thousands of things we use every day.

They help prevent soil erosion. And they provide shelter for our animal friends.

When you think about it, trees do a lot for us. So the next time you're in the forest, return the favor. Take an extra minute to be careful with fire.

You may save a tree's life. Then, the next time it takes a deep breath, it can thank you.



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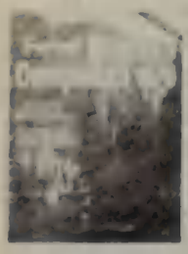

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Special Services Dept., Lane Publishing Co., 80 Willow Rd., Menlo Park, Calif. 94025

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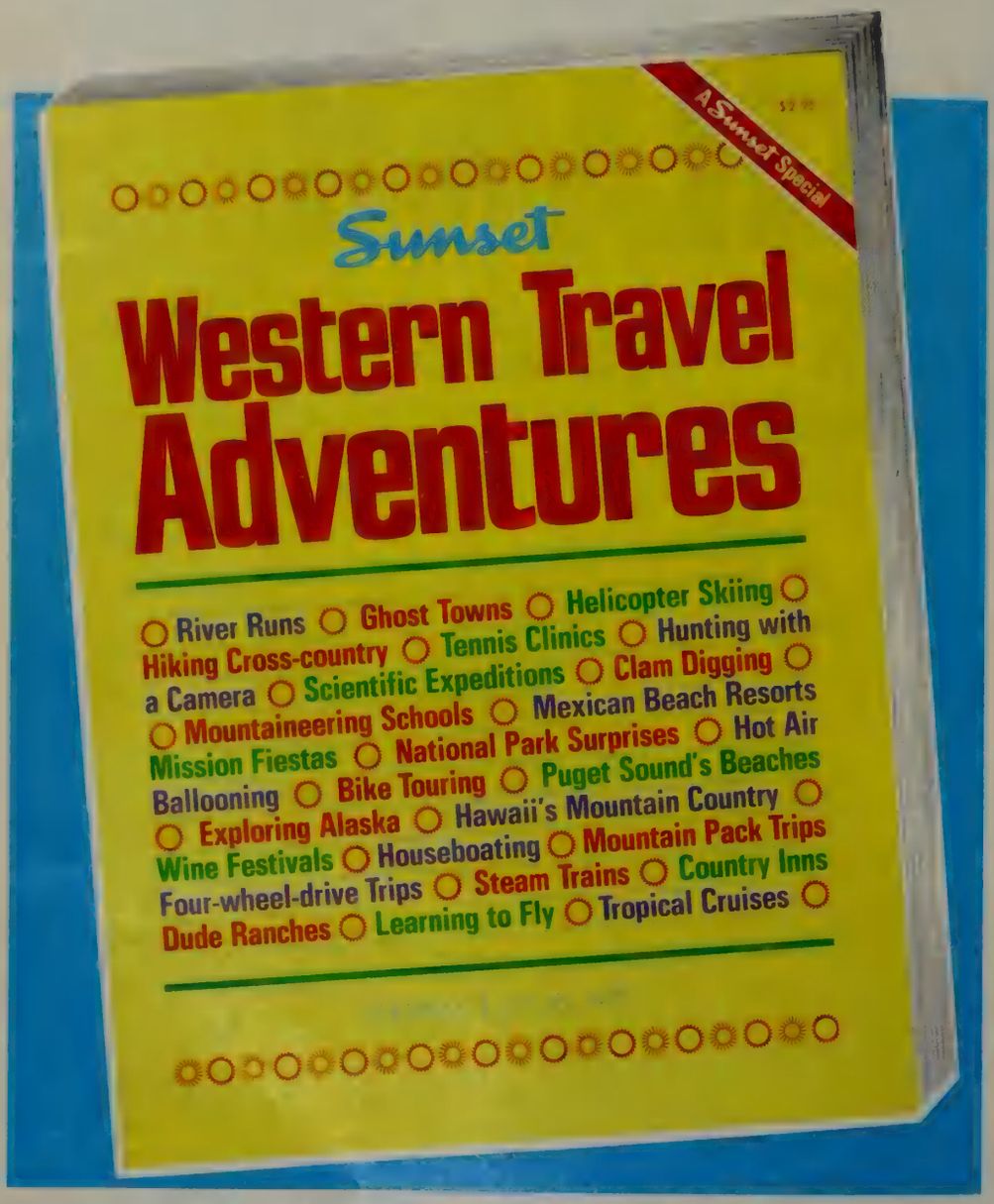

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At bookstores and newsstands—$2.95

DARROW M. WATT

Four classic *fines herbes: clockwise from top, chervil, parsley, tarragon, and chives*

Your own fines herbes

When the French call for *fines herbes,* they mean a blend of three or four mild, finely minced fresh herbs, usually starting with parsley. One classic blend is equal parts parsley, chives, tarragon, and chervil. Many cooks substitute sweet basil, summer savory, or dill for tarragon and chervil, and sometimes sweet marjoram, mint, or thyme.

All these herbs grow well in average, well-drained garden soil with moderate watering and half to a full day's sun. Or plant in pots (at least 8 inches in diameter). Keep flower stalks pinched off.

For *fines herbes* blends, you'll need 6 to 12 parsley plants, 1 to 3 plants *each* of chervil, chives, basil, dill, or summer savory, and 1 marjoram, mint, thyme, or tarragon plant. Basil, chervil, dill, and summer savory are annuals; parsley toughens after 6 to 12 months; the others will last several years.

All these herbs are mild enough to use fresh in substantial quantities to flavor bland foods—egg and cheese dishes, delicate sauces, soups, fish, or green salads. You can vary the amount and combination of herbs endlessly, depending on how much foliage a plant can spare.

Mince the herbs finely with a sharp knife or kitchen scissors, discarding tough stems and faded leaves. Add roughly 1 to 3 teaspoons minced herb blend per cup serving. To hot dishes, add the herbs only for the last minute of cooking to retain a pleasant texture and maximum flavor. Allow 15 minutes or more for herbs to permeate chilled foods. □

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...and win a trip for 2 to Poland via LOT Polish Airlines

We asked Good Housekeeping to witness the opening of these leading canned hams. Now we ask you to guess which is the KRAKUS Polish Ham. The right answer enters you in our Sweepstakes for a chance to win the Grand Prize trip for 2 to Poland. To guess right, pick the leaner, meatier looking ham. That's tasty ham. That's KRAKUS Polish Ham.

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1. To enter the sweepstakes, write down the number that you select as the KRAKUS Polish ham along with your name, address and zip code on a plain piece of paper. Enter as often as you wish but each entry must be mailed separately to: KRAKUS Polish Ham Sweepstakes, P.O. Box 10001, Fleetwood St., Mt. Vernon, N.Y. 10552. All entries must be received no later than Dec. 31, 1978.
2. Winners selected from correct answers in random drawings under supervision of Modern Grocer, judging organization whose decisions are final. All prizes will be awarded; winners will be notified by mail.
3. Grand Prize consists of an expense paid trip for two to Poland for 2 weeks via LOT Polish Airlines. All taxes are the sole responsibility of the prize winners. Winning odds are dependent upon number of entries received.
4. Sweepstakes open to U.S. residents except employees of Polfoods, Southeast Foods, Hearst Publishing Corp., their agencies and Modern Grocer and their respective families. Offer void in Mo., wherever restricted or prohibited by law. All Federal, State and local laws and regulations apply.

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WILLIAM APLIN

Bushy *pansy geranium has inch-wide red and white flowers, gray-green leaves*

Pansy flowers on a geranium?

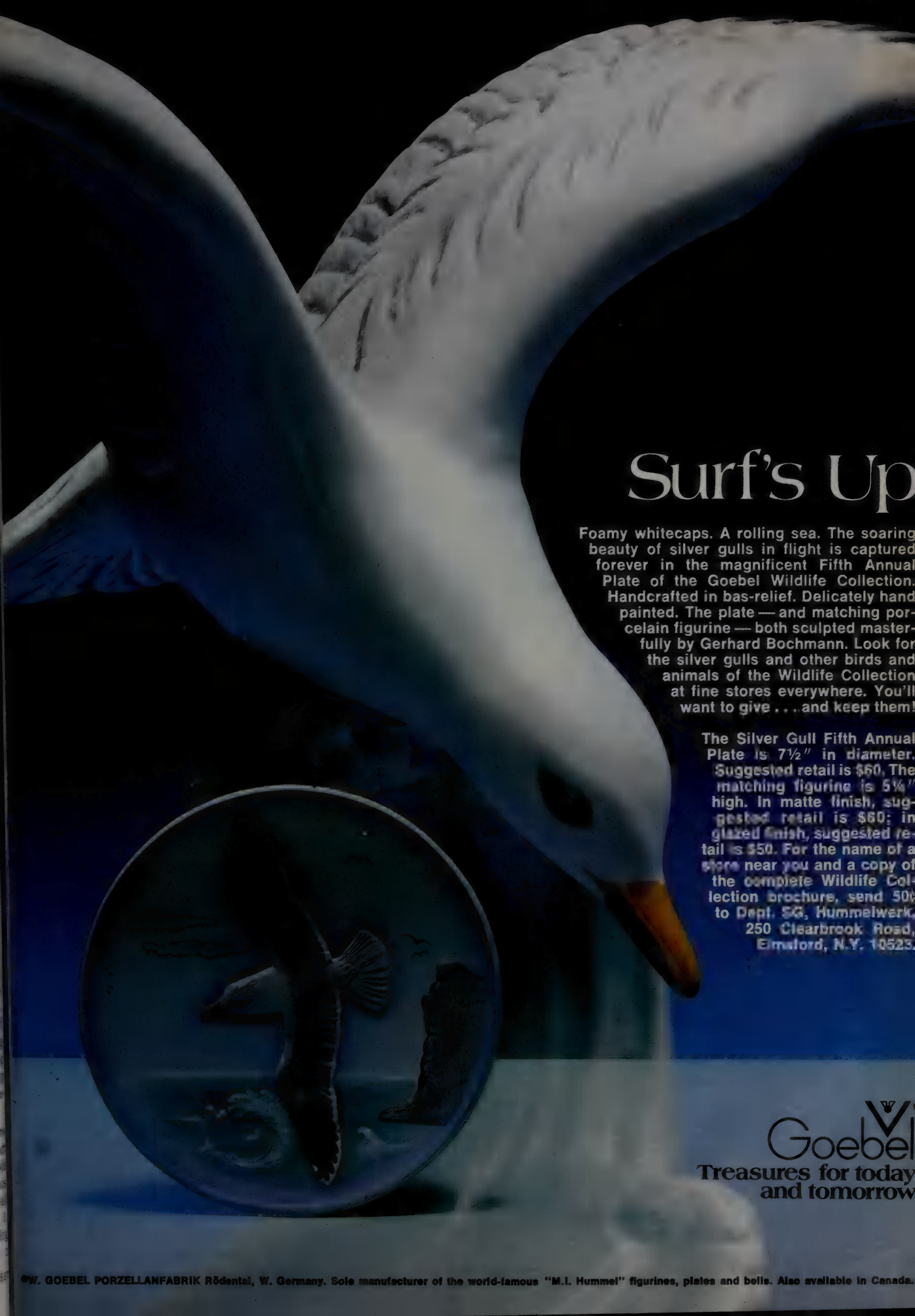
Half pansy, half geranium, this container plant will mystify your horticultural friends. Actually, it's not a revolutionary hybrid, but trailing pansy geranium (*Pelargonium tricolor, P. violarium*).

As its common name suggests, this plant produces pansy-like flowers, each with two red upper petals and three white lower petals. Blooming begins in spring and lasts a month or more. Plants rest several weeks, then flower again—not as heavily, but longer (throughout warm weather). Stems trail over the pot's side, becoming slightly woody with age.

Though trailing pansy geraniums require more attention than other pelargoniums, they're worth the effort. Grow them in light, quick-draining soil rich in organic material; let soil dry out between waterings. Apply a weak dose of complete fertilizer once a month from spring through fall, then let plants rest. In hot areas, screen plants from strong midday sun; in cold areas, protect them against frost—they're not as hardy as their common geranium relatives.

To propagate, take cuttings in fall from new growth and place in a mixture of sand and crushed sponge rock. Roots should develop in four to six weeks. Then move plants to 2½-inch pots of potting soil until they show strong growth. For the final move, try spacing three plants evenly in a 7-inch hanging pot; in bloom they'll provide an eye-catching show.

You can get trailing pansy geraniums from Carman's Nursery, 16201 Mozart Ave., Los Gatos, Calif. 95030; Fuchsia Land Nursery, 4629 Centinela Ave., Los Angeles 90066; and through the mail from Carobil Farm, Church Rd., RD 1, Brunswick, Maine 04011 (its catalog costs 35 cents). □


Surf's Up
Foamy whitecaps. A rolling sea. The soaring beauty of silver gulls in flight is captured forever in the magnificent Fifth Annual Plate of the Goebel Wildlife Collection. Handcrafted in bas-relief. Delicately hand painted. The plate — and matching porcelain figurine — both sculpted masterfully by Gerhard Bochmann. Look for the silver gulls and other birds and animals of the Wildlife Collection at fine stores everywhere. You'll want to give . . . and keep them!
The Silver Gull Fifth Annual Plate is 7½" in diameter. Suggested retail is $60. The matching figurine is 5¼" high. In matte finish, suggested retail is $60; in glazed finish, suggested retail is $50. For the name of a store near you and a copy of the complete Wildlife Collection brochure, send 50¢ to Dept. SG, Hummelwerk, 250 Clearbrook Road, Elmsford, N.Y. 10523.
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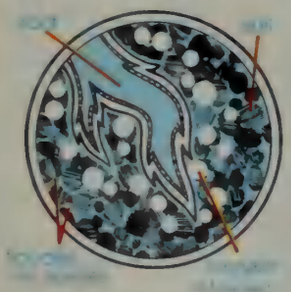

Oxygen, supplied by air spaces in the soil, is essential to plant health and growth. Overwatering tends to fill these spaces, cutting off life-giving oxygen. Through the patented use of urea peroxide, OXYGEN PLUS chemically releases oxygen *and* macronutrients necessary for growth directly to the roots. *So even if you do overwater, you can't harm your plants.* What's more, by oxygenating the roots, OXYGEN PLUS actually restores plants already suffering from too much water. Use Oxygen Plus every time you water.

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To find out when it will be available in other areas, write Plant Research Laboratories.
For name of nearest nursery call TOLL FREE 1-800-327-1109 Ext. Z-900.

ELLS MARUGG

Single *laced pink is white with red center and edging. Flowers are 2 inches wide*

Laced pinks... grow from seed

Laced pinks are a hardy old-time form of perennial dianthus with fragrant double, semidouble, and single flowers uniquely patterned in contrasting colors. Today they're rarely available in nurseries, but you can grow them from seed, which is scarce and expensive; Geo. W. Park Seed Co., Inc. (Greenwood, S.C. 29647) sells 10 seeds for $1.50, 40 for $5.

Sow seeds in June or July; in fall, set well-rooted seedlings 15 inches apart in full sun in light, fairly rich, fast-draining soil (add lime to acid soil). Plants will flower next summer.

To increase a plant you like, take cuttings of nonflowering shoots after bloom. Heel cuttings—side shoots with a small portion (heel) of the parent branch attached at the base—root best. Trim heel so edges and surface of cut are smooth. Insert cuttings in clean coarse sand; firm them in. Set out in the garden when well rooted for bloom next spring. □

CYRUS HAPPY III

All laced pinks *have narrow gray-green leaves, grow about 1 foot high*

Our "Villa" 10-piece group.

Behind this elegance are the most versatile furnishings you may ever own.

Imagine our spectacular "Villa" conversation group in your home. Its contemporary good looks are matched only by its adaptability. Each section is completely separate and movable so you can change the arrangement to suit your mood. Plus there's a queen size sleeper that affords both practicality and comfort. The set includes 4 corner sections, 2 center sections, 3 ottomans and 1 queen size sleeper. We've shown our group covered in rich acrylic velvet—but you can choose from other selected fabrics at no additional charge. 10-piece group, **$1990**

Pieces priced separately:

Corner section, **$199 each** Ottoman, **$119 each**
Center section, **$169 each** Sleeper section, **$499**

This is JCPenney

Available at most larger JCPenney stores.

©1978 JCPenney Co., Inc.

DARROW M. WATT

Pot singly *to enjoy the rich musky perfume of 'Snow Magic.' Tend miniature roses carefully and they'll bloom until the cold weather comes*

Miniature roses . . . very close up

Tiny buds, leaves, and flowers of miniature roses are delicate and winsome, but easy to overlook when individually planted in the ground. In planters, you can enjoy them at their best—up close.

If you buy nursery plants in 2 to 4-inch pots, move them immediately to 8 to 10-inch pots. Use a slow-release fertilizer in the potting mix, or a very dilute fertilizer solution (instead of plain water) every week or so until midsummer. As flowers fade, snip stems back to an outside bud with a viable eye in the leaf axil.

Plants need a minimum of 4 hours of sun daily to bloom. Flower colors are darkest near the coast; inland, dark shades hold their color better in full sun.

Here are some kinds suited to planters:

Strongly fragrant: 'Avandel,' 'Beauty Secret,' 'Colibri,' 'Pink Joy,' 'Snow Magic,' 'Sweet Fairy.'

Roses that stay 5 to 12 inches tall: 'Baby Cheryl,' 'Bo Peep,' 'Brite Imp,' 'Brocade,' 'Kara,' 'Little Chief,' 'Little Juan,' 'Little Liza,' 'Midget,' 'Prissy Missy,' 'Red Imp,' 'Tom Thumb,' and those named in the caption at lower left.

Trailing types: 'Coral Treasure,' 'Orange Elf,' 'Red Cascade,' 'Spring Song,' 'Sugar Elf,' and those pictured below.

If you can't find miniature roses at a local nursery, you can mail-order them from McDaniel's Miniature Roses, 7523 Zemco St., Lemon Grove, Calif. 92045; Miniature Plant Kingdom, 4125 Harrison Grade Rd., Sebastopol, Calif. 95472; or Moore Miniature Roses, 2519 E. Noble Ave., Visalia, Calif. 93277. All have free catalogs. □

Pocket planter *suits small varieties: 'Yellow Bantam,' 'Si,' 'My Baby,' 'Marilyn,' 'Prince Charming,' 'Lillan,' 'Cinderella'*

Trailers, for hanging: *'Green Ice,' rear; rose-colored 'Jeanne LaJoie'*

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Sunset—July '78

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E. WALPOLE, MA

Main entertaining deck *is 18 by 20 feet with a 12 by 14-foot screened room opening out to it at one end*

NORMAN A. PLATE

The outdoor living challenge in Denver is different

You plan for sun, rain, insects

Above ■ curving bed *of river rock and drought-tolerant plants, stucco parapet encloses the main deck*

Outdoor living areas around this Denver house were designed with both weather and pesky insects in mind. There are places to sit and entertain when it's clear and sunny, places to retreat to if it's too hot or rainy—and when insects become bothersome, everyone can just move into a screened room.

With all these options, the David Greenberg family uses their outdoor living areas almost daily in warm weather, especially the screened room. It's off the kitchen with a pass-through ledge for serving, outlets for food-warming equipment, and an easy-to-clean, stain-resistant sealed brick floor. There's overhead light for evening use.

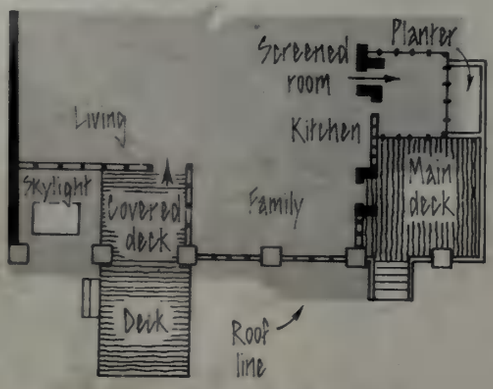
The screened room opens onto a spacious main deck made of alternating 2 by 2's and 2 by 4's; the family dining-activity room also opens onto this deck through sliding glass doors.

Another deck extends out from the living room at the other end of the family activity room. The second floor of the house extends 18 feet over it to provide shelter from sun and rain; the rest is open to the sky.

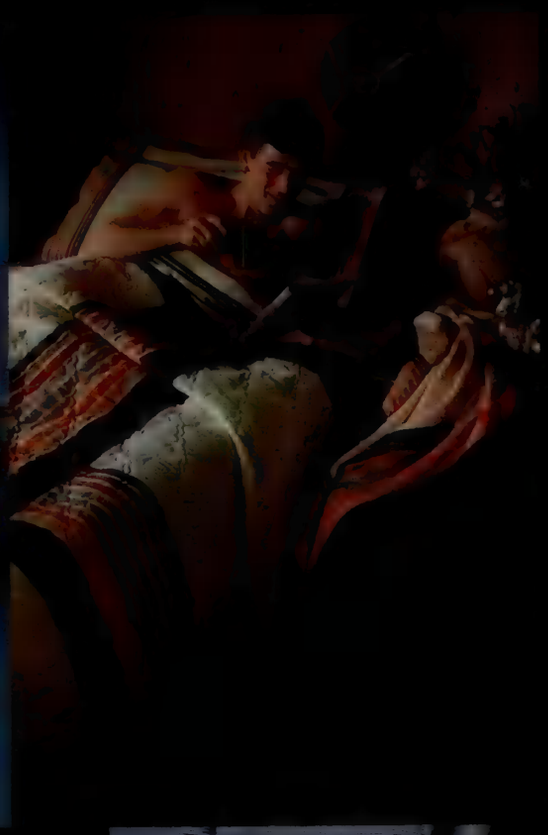
Architects were Jerry Seracuse and Jam Wong; landscape architect was Chris G. Moritz. □

When it's hot, *raining, or too active on the main deck, you come under roof here*

Options *for informal entertaining include open deck, covered deck, screened room*



The Many Moods of Royal Family.



Mood. It's a whim of the moment or a strong conviction. It embraces a sense of style, a love of beauty. Royal Family has it in a wide array of bed and bath ensembles that run the gamut from geometrics to gentle flowers, from traditional to contemporary patterns.

Mood. It's a certain feeling for luxury, for quality. Royal Family has it with soft plush towels in a virtual rainbow of colors. Royal Family also offers extra luxury in exclusive new Comfortcale,™ the very cotton sheet, available in selected patterns.

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Mood. Elusive, profusive—a very personal matter. And the beauty of it all is, no matter what your mood, Royal Family has the mood to match it.

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PPG Solarcool® Bronze glass tames the blazing summer sun. And air conditioning costs.

With all of its windows and sliding glass doors glazed with PPG Solarcool Bronze reflective glass, this Sun Belt home looks perfectly beautiful.

But it's on the inside that Solarcool pays off. By reducing glare and heat gain from the burning sun, this newest PPG residential glass can save up to 17 percent on air conditioning costs. That's compared to clear glass and is based on a PPG computer energy analysis. Comparable savings can be obtained in other locations.

In the daytime the glass reflects the lovely sky and water. Even more important, it sharply reduces visibility from the outside, so people inside enjoy comparative privacy. And ultraviolet light, a major cause of interior fading, is cut way down.

If Solarcool can tame air conditioning costs where it's hot, think what it can do for the home you're going to build or buy. Why not write for a free copy of our Solarcool idea book: "Best Glass Under the Sun." PPG Industries, Inc., Dept. S-378, Suite 4, 3563 Investment Boulevard, Hayward, Calif. 94545.

PPG: a Concern for the Future

PPG INDUSTRIES

DAVID STUBBS

Dense fountain *of narrow, silvery green leaves of queen's tears stands a foot or slightly taller*

Easygoing and it blooms freely

Durable, easy-to-grow house plants that bloom freely aren't easy to find. That's why queen's tears (*Billbergia nutans*) is so appreciated.

This pure and simple bromeliad tolerates any kind of indoor light (and, in mild areas, most light conditions outdoors), dry air, and occasional drafts. Yet each spring it readily produces the graceful flower stalks pictured below.

Give queen's tears a coarse, sandy soil with some organic matter (such as peat moss or shredded bark) added. Keep the plant on the dry side, particularly during cool months, and after flower stalks appear, feed monthly through the warm season.

Leaf rosettes increase rapidly, giving you plenty of "pups" to remove and repot or give friends as gifts. Start these in small pots and keep them fairly dry. □

Arching stalks *bear rosy bracts and weeping flowers of green and dark blue*

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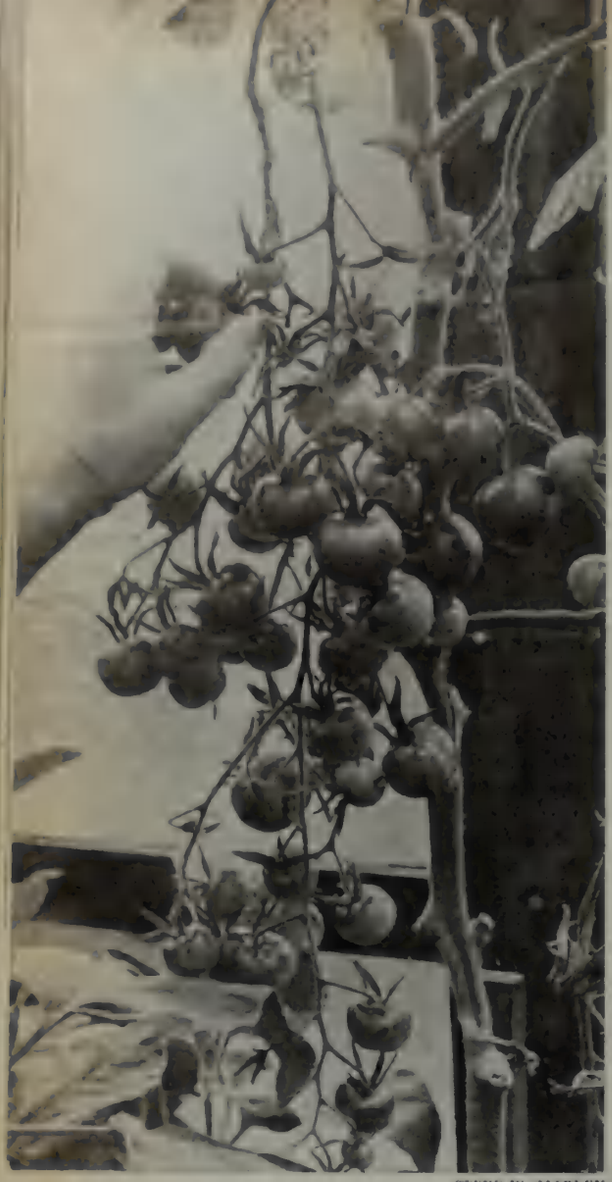

STEVE W. MARLEY

For vine-ripened flavor, *lift fully colored fruit up toward stem. If fully ripe, it will separate easily from the plant, with a short stem*

Tomatoes in the home stretch... here's how to bring in winners

What's the secret to growing perfect, rich-flavored tomatoes?

As harvest time approaches, here are some things you can do to make sure you get the best possible crop.

Most obvious, but perhaps most overlooked: Pick fruit when it is fully ripe. Vine-ripening is the essential difference between that luscious home-grown taste and the blandness of market fruit. A mature tomato practically falls into your hand when you lift against the stem, as shown above left. If you have to tug, the fruit's not yet at its best.

If you do pick tomatoes before they're fully mature, they will ripen best at room temperature—about 72°. If you're not going to use them right away, they will develop better flavor at 55° to 60° —the temperature of a cool garage— than in the refrigerator.

Not too hot, not too cold

The temperature of a tomato fruit, no the amount of direct light it receives, i the critical factor in ripening. Tomatoe will turn color and ripen in shade o darkness, on or off the plant. But re pigment may not develop if the ski

DON NORMARK
Neatly pruned *and staked plants make harvesting easy, but in hot climates they're more prone to sunscorch and moisture stress. Watch for rolled leaves near base of plants*

DARROW M. WATT
Sun screen *can improve flower set and fruit development in intense heat. This screen is made of light netting draped over garden stakes*

mperature goes above 85°, and higher mperatures may blister the fruit, espe-ally if it's still green. Exposed parts of uit can become 20° hotter than shaded arts, contributing to blotchy, uneven pening.

eaf protection helps, especially in hot areas, so prune plants little or not at all.

Although tomato plants generally need about 8 hours of sun a day to produce well, they may do better in partial shade when temperatures soar near 100°. Sun screens like the one shown above can be made with nursery shade cloth, lath, or cheesecloth. Even in the desert, where heat may cook fruits on the vine, shade can keep plants healthy enough to start bearing again in cooler fall weather.

If plants stop producing and growing because of heat, you can cut them back to 1½-foot stalks and feed and water regularly to get new growth for production this fall.

Near the coast, the problem is to collect enough heat to set a good crop. Black plastic mulch traps both heat and moisture. So do fiberglass or plastic-covered boxes large enough to fit over tops of plants at night and on very cool days. Be sure to provide good ventilation if you cover plants during the day. For a more permanent heat-holder in cool coastal areas, you may want to build a south or west-facing greenhouse; then you can often harvest almost year-round.

If days and nights are warm and your plants are good-sized but still not flowering, you may be able to start them bearing by being somewhat stingy with water and fertilizer. Once one flower cluster sets fruit, succeeding clusters tend to set also. Reducing watering also often produces more flavorful fruit. To increase pollination, vibrate the flower clusters on warm, dry days.

Heavy pruning reduces yield

Contrary to long garden tradition, heavy pruning—whether it's to train plants upright or expose fruit to more sun—is usually not a good idea. The more you prune, the fewer leaves there are to produce food, and the less fruit the plant can support.

Very early or late in the season, however, and in coastal climates, dense foliage may reduce the fruit's temperature enough to inhibit ripening. To hasten maturity in such cases, remove just enough foliage to expose the fruit.

Common fruit blemishes

When weather has been cool and damp, you may find scabby, blossom-torn fruit (as at left), misshapen or puffy fruit with one or more empty seed cavities, or cat-faced fruit with puckered, lumpy blossom ends—all signs that more heat was needed for normal pollination.

Alternate drought and flooding can cause two other common fruit blemishes, particularly on heavily pruned plants: blossom-end rot (a blackish, leathery, sunken area on the blossom end of fruits) and growth cracks (worst on fruit exposed to full sun). Mulch to reduce stress from infrequent watering and sudden hot spells. □

Zipper tracks *result when flower sticks to fruit after pollination—common in cool, damp weather. The stuck flower mars expanding fruit; the scar enlarges as fruit grows. To avoid, pull off flowers when fruit is tiny (right)*

NORMAN A. PLATE

It's time to do midsummer cleanup, dig up bulbs, do some grooming, renew your mulches

Sunset's MOUNTAIN GARDEN GUIDE

July starts out dry as well as hot in the mountain areas; but summer storms soon temper the heat. They're usually not enough to give your garden a decent soaking, so stand ready with the hose.

DON NORMARK

Misty mounds *of rabbitbrush (Chrysothamnus nauseosus) make an aromatic, 4-foot screen along street*

It's a time to clean up and rearrange—dig up spring bulbs, groom perennial beds, renew mulches. If you live in hailstorm country, you may need to put some extra effort into garden cleanup.

The cool gray effect

Lush dark greenery has its place, but it can be monotonous if unrelieved. That's where gray plants come in.

Two popular natives, artemisia and rabbitbrush (shown at left), have cool gray or silvery foliage. They can blend in with almost any color scheme, light up the garden on dull days, and provide subtle accents where other color is very strong.

Almost all gray plants prefer poor, dryish, well-drained soil in a sunny location. They need almost no pruning except when planted near walkways or as small hedges.

What to do when all hail breaks loose

People who live in hailstorm country know how self-destructive nature can be.

Heavy or fast hail can completely strip the foliage from some plants. It can pit ripening fruit, making it practically inedible. Severe hail can beat the bark of young trees, allowing access to disease and bark pests. And a problem that's not so quickly noticed—but just as serious—is the soil compaction caused by a driving hailstorm.

What do you do after hail? Wait for the ground to dry a bit—walking on muddy soil compounds the compaction problem, and is messy as well.

Clean up fallen fruit, branches, and leaves. Carefully straighten and brace plants knocked down by the hail. Pick fruits and vegetables that are pitted beyond saving so the plant's strength can be channeled toward new growth.

If the soil is unmulched, cultivate the surface to break up the hard-pack, and remember to provide a heavy mulch before the next hail.

Trees with scarred bark should be sprayed with a dormant spray next spring to keep pest attacks to a minimum. Cover large wounds with pruning paint now.

If your vegetable garden is completely shot, read the check list below for vegetable seed-sowing notes.

MOUNTAIN GARDEN CHECK LIST: *Here's what most needs doing*

☐ **Dig bulbs.** Dig spring-blooming bulbs, dry them off, and store them for fall planting—*after* the foliage turns brown. You can keep tulips in the ground or dig them to replant in October or November. Dig overcrowded clumps of daffodils, divide them, and replant now or store until September.

☐ **Divide perennials.** Dig and divide bearded iris rhizomes; cut out all diseased portions and discard old leaves. Divide and transplant anchusa, bleeding heart, and Oriental poppies. In the rock garden, divide to increase your supply of arabis, alyssum, heuchera (if past bloom), iberis, phlox.

☐ **Fertilize.** Feed perennials such as aquilegia, chrysanthemums, daylilies, delphinium, iris, lupine, and hardy aster. Continue monthly feeding of roses and late-flowering annuals. Fertilize established lawns with high-nitrogen lawn food.

☐ **Make cuttings.** The most inexpensive way to increase your garden stock is to make cuttings. This month is a good time to take slips of box, euonymus, vinca, yew, most perennials, and deciduous shrubs. For indoor color next winter, take cuttings of coleus, fuchsia, geraniums, heliotrope, and lantana.

☐ **Mulch.** Check mulches regularly and add to those that have lost some of their depth through the summer. Where hail is a problem, check the item above for mulching practices.

☐ **Sow vegetable seeds.** Sow seeds for fall crops of beets, cabbage, kale, lettuce, green onions, radishes, spinach, turnips. To continue summer crops, sow fast-maturing varieties of beans and corn in mildest areas.

☐ **Water.** Provide deep waterings during long periods of dryness along with the regular watering. Mulch to conserve moisture and keep down weeds.

Photography by Jeff Foott, Bruce Coleman Inc.

"Take a long, long look at one of the sea's most charming creatures–it could be your last chance"

John Forsythe, host, "The World of Survival"

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NORMAN A. PLATT

Boston ivy *(left) and Virginia creeper (right) have vigorous new growth that will extend several feet this summer. Silvervein creeper (center) is rare, slower, more tender*

DON NORMARK

Rocky Mountain *Virginia creeper (P. inserta) growing in this Santa Fe garden came from nearby mountains. Lacking sucker disks, it twines or drapes—but won't cling*

Hardiness and grace . . . that's Virginia creeper

For speedy, attractive wall or ground cover, plant Virginia creeper (*Parthenocissus quinquefolia*) or one of its three relatives. They offer an unmatched blend of grace and hardiness.

Virginia creeper is easily recognized by its five 6-inch-long leaflets, which spread like fingers. In all except the coldest winter areas, it thrives in full sun or heavy shade as a ground cover or wall-clinging vine. In the coldest mountains or high deserts, it appreciates shade if grown on a wall but can take sun or shade as a ground cover. The variety 'Engelmannii,' with smaller leaflets, endures sun better on a cold wall.

Closely related *P. inserta* is a native of the Rocky Mountains and resembles Virginia creeper in every detail except for its tendrils, which lack sucker disks and will not cling to walls. Leaves of all three of these plants turn bright red in the fall.

Boston ivy (*P. tricuspidata*), like children, goes through phases. Young plants have three-part leaves with individual leaflets about 1 inch long. Mature plants cover their supports with big (3 to 8 inches wide), three-lobed leaves that overlap nearly as closely as shingles. If the tops are cut back occasionally, plants continue to produce a fine-textured look.

Two varieties, 'Lowii' and 'Veitchii,' have smaller foliage and make a more delicate tracery against a wall. 'Beverly Brooks' has full-sized foliage that turns an exceptionally vivid scarlet in the fall; leaves of other varieties range from purplish maroon to deep red, and some can show a scattering of orange.

A fourth species, silvervein creeper (*P. henryana*) is tender to cold, and thrives only west of the Cascades and in coastal California. In shaded gardens, its 2-inch leaflets are bronzy green with white veins and a purple reverse, turning scarlet in autumn. It is extremely rare, but worth a search. □

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NORTHERN CALIFORNIA

Santa Rosa. July 10 through 22. Flower extravaganza at the Sonoma County Fair and Exposition. Place: Fairgrounds. Hours: 10 to 10. Admission to fair: $2; 12 and under, 50 cents.

San Mateo. July 16. Free garden tour, with emphasis on fuchsias, by the San Mateo County branch, American Fuchsia Society. For more information, call Mrs. James Benson, (415) 344-9193.

Hayward and Livermore. July 17. Horticultural classes at Chabot College campus. For information and registration, write to Admissions and Records, 25555 Hesperian Blvd., Hayward 94545, or telephone (415) 782-3000.

Bishop. July 20 through 23. Floral displays at the Eastern Sierra Tri-County Fair. Place: Fairgrounds. Hours: noon to 10 daily. Admission to fair: $1.25; ages 6 through 12, 50 cents.

Saratoga. July 22. Herb workshop at Saso Herb Gardens, 14625 Fruitvale Avenue. Hours: 9:30 to 3. Fee: $10.

San Mateo. July 24 through August 5. San Mateo County Fair and Floral Fiesta. Place: Fairgrounds west of Highway 101 next to Bay Meadows Racetrack. Hours: opening day (Monday) 6 to 10; weekdays noon to 10; Fridays noon to 11; Saturdays 10 to 11; Sunday 10 to 10. Admission: $2; ages 12 through 17, $1; 11 and under, free.

Daly City. July 29 and 30. Show and plant sale by the San Francisco Begonia Society. Place: around the pool at Serramonte Shopping Center, Serramonte Boulevard and Interstate 280. Hours: noon to 5 both days. Free.

Ross. July 30. Show and plant sale by Marin County branch, American Fuchsia Society. Place: Marin Art and Garden Center, Sir Francis Drake Boulevard. Hours: 11 to 4. Free.

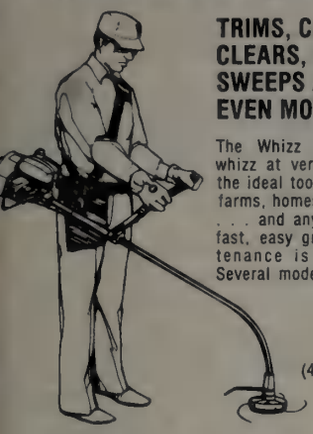
COLORADO

Denver. July 27. Garden and terrace tour by the Guild of the Denver Botanic Gardens. Hours: 10 to 6. Tour fee: $5. For details, write to Mrs. Mary Baude, 3300 E. Virginia Ave., Denver, 80209.

UTAH

Salt Lake City. July 15. Rhizome auction by the Utah Iris Society. Place: Utah Garden Clubs Activity Center, Sugar House Park, 1602 East 2100 South. Hours: 10 to 4.

Whizz Witch



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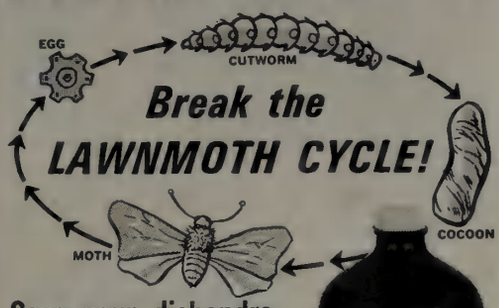

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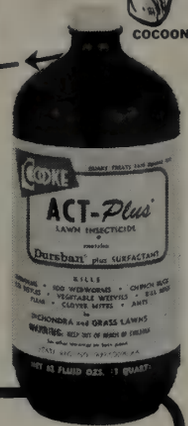

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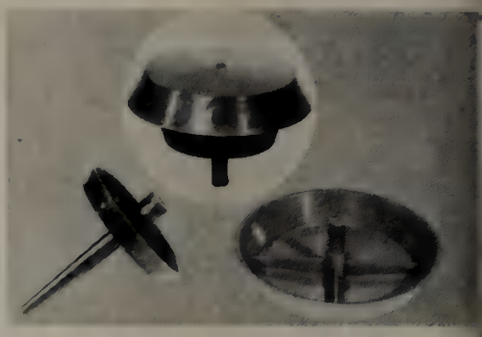

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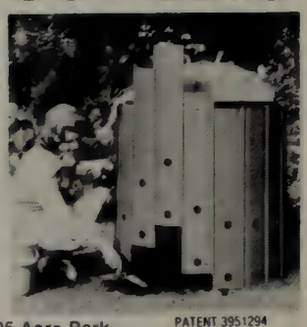

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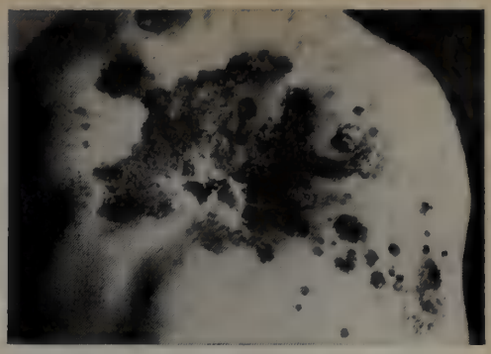
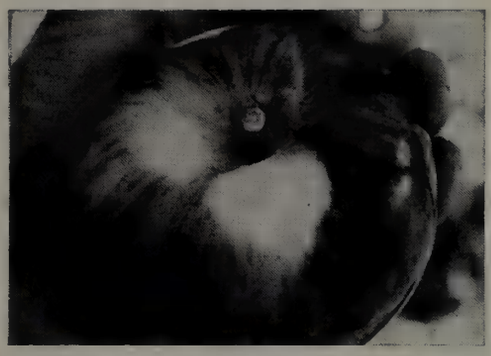
DOUG WILSON

Ridges, *with or without color differences, are typical of 'Winter Banana,' one of the better apples for Southern California*



Apple scab: *a fungus that's most common in humid areas. It looks nasty, but you can still eat the fruit*



Pale spots *show up where sunlight was blocked by leaves*

Water core: *translucent, sappy spots are most common in dry climates*

Look closely at your apples

As apples mature this month and next, take a close look at your fruit. What you discover may be just characteristic markings of a particular variety—or you may find problems that can be corrected now or next season, possibly by different pruning or earlier fruit thinning.

One or more thin, often dark, ridges on a predominantly golden skin (top picture) are the characteristic of 'Winter Banana' apples that gives them the last half of their name. The "winter" part is because they keep well.

Pale spots on the red apple shown above are caused by lack of sun where dried leaves shaded the fruit. You'll notice that darkest fruits grow on the upper limbs and on the south and west sides of the tree. Pruning that leaves the center of the tree too dense, or else planting too close to other trees or structures, can shade most of the fruit, causing poor color and poor quality.

Red coloring absorbs enough extra heat and light to cause problems for apples in dry climates where temperatures frequently reach 100° or more. In such areas, light-skinned varieties are preferable; red ones too often sunburn.

The fuzzy dark spots pictured at top are apple scab, caused by a fungus. It doesn't hurt humans, so the apples are still edible. But you may want to take steps to reduce or eliminate it in future years. Especially in humid areas, plant and prune trees to allow full light and good air circulation.

This fungus winters in dead leaves, so rake and dispose of them promptly. Next spring, spray with captan, lime-sulfur, or benomyl when flower buds show green tips. If weather is wet, repeat when buds show pink.

The soft watery flesh shown above is visible through the skin as translucent patches. A few people find the extra-sweet taste appealing; most dislike the sappy texture and flavor. This condition is called water core. It appears mainly in dry climates, but the following varieties are particularly prone to it: 'Winesap,' 'Red Delicious,' 'Golden Delicious,' 'Jonathan,' 'Rambo,' and 'Arkansas' ('Mammoth Black Twig').

If your fruits have it, you can minimize the damage by picking them as soon as they ripen, starting with the most sun-exposed areas. Don't plan on long storage; fruits with little or virtually no damage when picked only get worse. □

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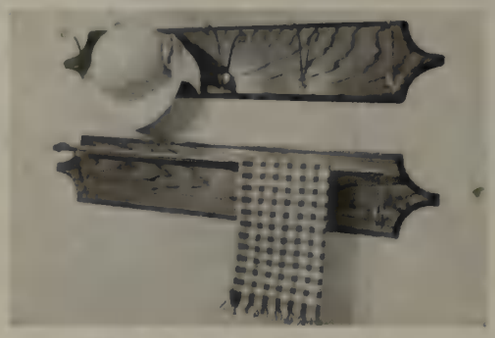

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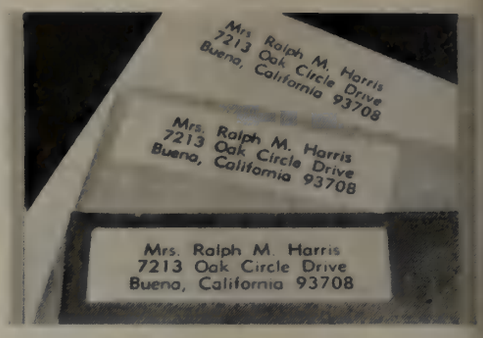

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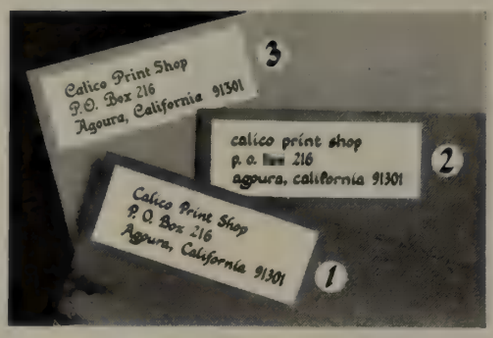

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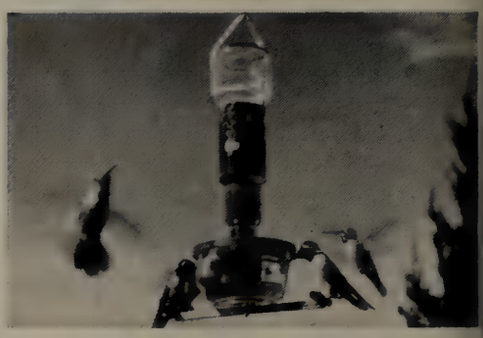

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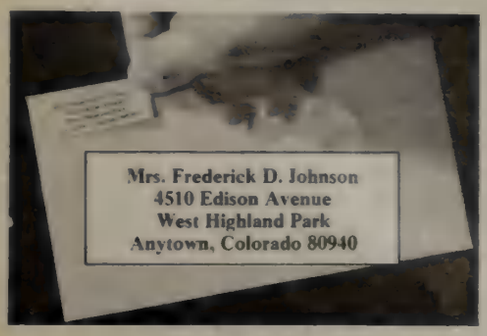

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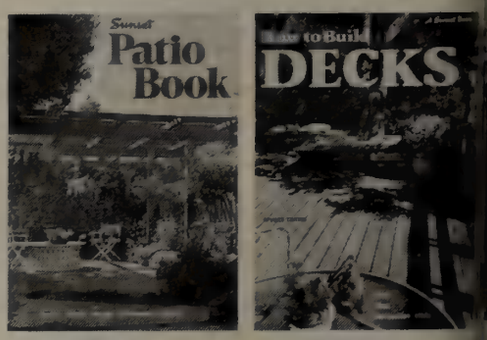

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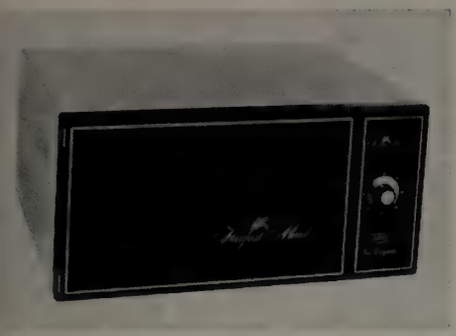

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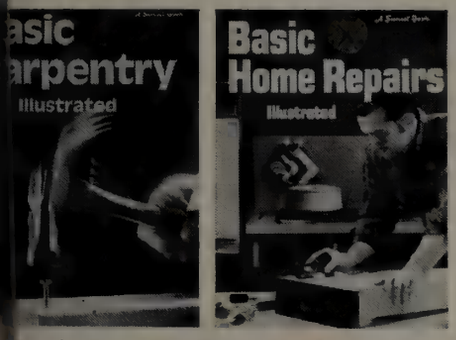

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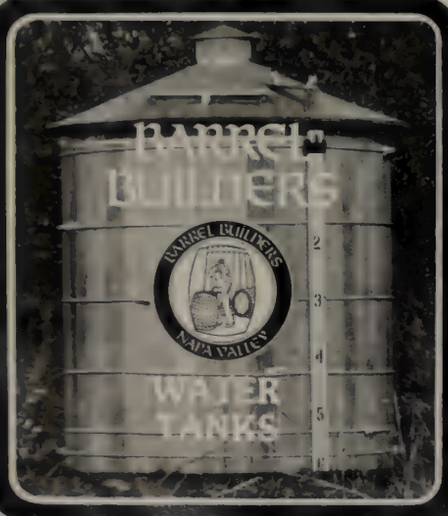

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Take a chance on Hawaii's lei flower? Start with cuttings

Container gardeners who enjoy unusual plants might like to try growing plumeria, the fragrant frangipani flowers of Hawaiian leis.

In Southern California, you can grow them outdoors in full sun as long as you protect them from frost. There, in 6 to 10 years, they can become dense 11-footers that bloom profusely throughout warm weather.

Outside Southern California, plumerias are experimental curiosities for a greenhouse, atrium, or very brightly lit indoor area. You can move them outside for the summer in warm climates.

Start plumeria plants or cuttings any time in 1 to 2-gallon containers. Pot cuttings with half the stem buried in an exceptionally loose, chunky medium: potting soil with about ⅓ sand and some charcoal and pumice added, or the finely shredded redwood bark used for orchids.

Add a slow-release acid fertilizer to the planting mix, or water with a very diluted fertilizer solution during the growing season. Give plants as much heat and bright light as possible during active growth.

Plumeria thrives on heat and high humidity. Ideally, drench foliage frequently and water soil less often, letting it dry slightly between waterings. If you do happen to rot off the trunk by overwatering, just cut it back to firm, healthy flesh and reroot the top.

In winter, plumeria drops its leaves for several months. Temperatures below 45° or drought can also cause leaves to dro prematurely. Keep plants warm and c watering to a bare minimum, and they leaf out again in spring.

Some gardeners display small orchi and bromeliads on the naked branch during dormancy; others enjoy the p culiar succulent branch structure— simply move the plants out of sight.

Many plumeria stems bloom the fir year they're rooted; others take sever years. Flowers come in big clusters branch tips, mostly in shades of whit yellow, purple, and red. The older t plant, the more the branches divide a the denser become both flowers and f liage. The plants shown above are 2 3 years old. Plants under 5 years o sometimes skip a year's bloom.

Plants or cuttings are easy to buy Hawaii; you can bring them to the mai land with only routine inspection. Esp cially in Southern California, cuttings small plants are sometimes sold as nov ties in nurseries or import shops.

You can order plumeria cuttings by m from The Plant Shop's Botanic Garde 18007 Topham Rd., Reseda, Cal 91335 ($2.48 a cutting or $7.45 for four colors); Exotica Seed Compar 820 S. Lorraine Blvd., Los Ange 90005 (three cuttings for $10); or Ha Gardenland, Box 177, Hana, Maui, H waii 96713 ($4.45 a cutting). Spec preferred color or combination of c ors, and these nurseries will try to commodate you.

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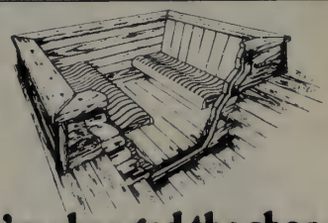

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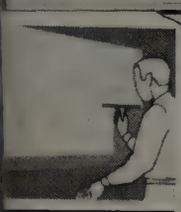

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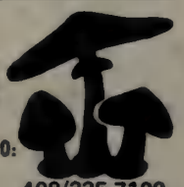

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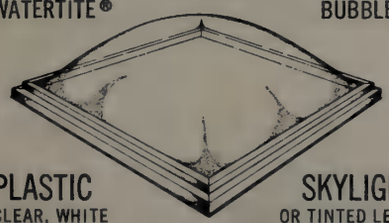

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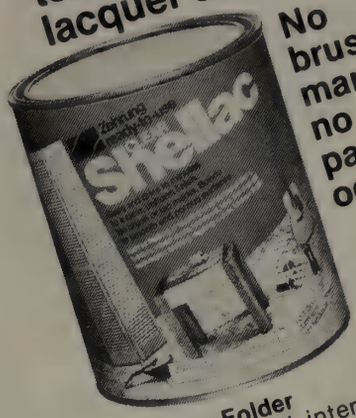

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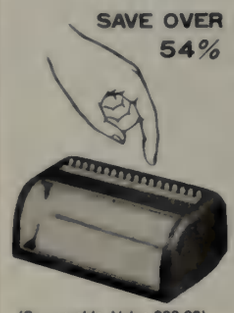

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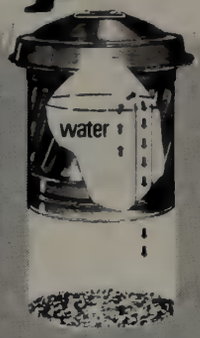

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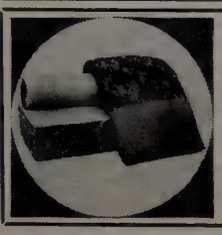

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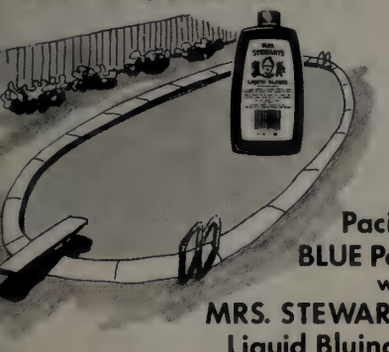

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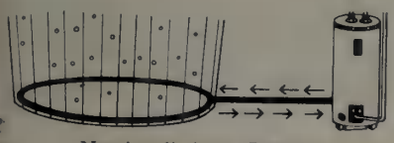

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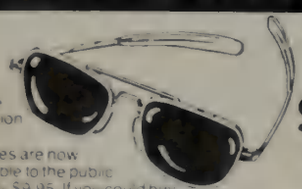

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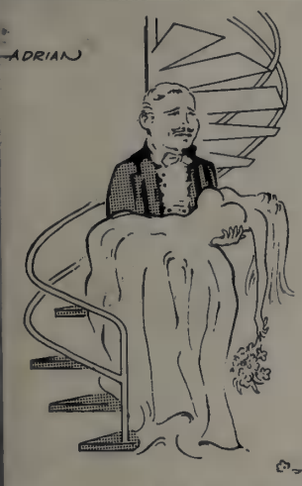

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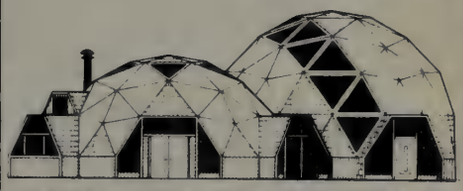

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Planning to manage growth

The West is still the fastest growing region in the United States. But our population has begun to shift around a bit.

Some recent shifts include secondary rings of suburbs emerging at a distance from cities, more families opting for life in smaller towns, and explosive growth in several boom areas—most prominently in once sparsely populated Arizona and the Mountain States.

It's easy to cite the potential problems that often go along with fast growth: sprawl, congestion, declining air quality, strain on services (schools, police, sewage, water), and loss of the original small-town intimacy of many communities.

Finding acceptable and workable ways of managing growth is much more difficult. But three landmark approaches are worth noting.

Petaluma, California. Its pioneering plan was enacted in 1972 after commuter-caused growth of 18 percent annually pushed its once-bucolic population to 24,000, sending schools into double sessions.

New limit: 500 housing units per year (annual growth rate of 6 percent). Competing developers' proposals are judged by a citizens' committee that considers adequacy of services, site design, community impact, and amenities such as greenbelts and bike paths.

Boulder, Colorado. A 5 to 10-percent annual growth rate nearly doubled its population to 80,000 by 1975. The narrow victory of a 1976 initiative produced a Petaluma-like plan allowing only 450 new units per year, 175 reserved for the urban core. Extra points are given for moderate-income housing proposals. Annual growth rate will be 1½ to 2 percent.

Other Boulder actions: A 55-foot height limit, a "blue line" prohibiting water hookups above a certain level on the mountain backdrop, and a surrounding greenbelt that will form the city's ultimate boundary.

Oregon. A statewide Land Use Program, enacted in 1973, didn't set formal growth limits. But it does require each locality to prepare a comprehensive plan that includes ultimate boundaries and service capacities. Communities (not all of them happy with this mandate) are free to consider local circumstances and attitudes, but must work toward 19 specific goals—including preservation of agriculture, forest, scenic, and recreation lands; adequate housing; steering growth into "urbanizable" areas; and, above all, citizen involvement in the planning.

(In May a similar program took effect in Hawaii, which in 1961 became the first state to develop a comprehensive zoning plan with an eye to orderly development.)

Experience and the courts will likely refine future approaches to growth control. Contrary arguments cite inflation in housing prices, an inhibited job market, more red tape, the right of people to live where they wish, and the right of developers to meet housing demands.

Looking ahead it's easy to see the tremendous potential for growth in the Western states. (Of the 11 states with growth rates over 15 percent, all but 2 are in the West.) Now is a critical time for taking a close look at the different ways we might deal with cities and towns all over the West that are bound to grow fast in the years just coming up.

BARRY STAVER

WINDOW ON THE WEST: *Boulder's greenbelt*

Where the plains meet the Rockies, Boulder is protected by a wide swath of open space—including the grasslands in the foreground and the Front Range slopes behind. The greenbelt will form the town's ultimate boundaries. So far, $17 million (largely sales tax revenues) has been committed to acquire 9,200 of 14,000 acres to be left as natural open space or farmland. The towers in town are University of Colorado dormitories; as state property they are exempt from Boulder's height limits.

August 1978 95 cents

Sunset

The Magazine of Western Living

Santa Ana Garden With a Past

It was their old driveway P. 68

Wild Basket Weaving P. 74

Camp Baking With a Dutch Oven P. 70

Beach Sun and Wind Screens P. 72

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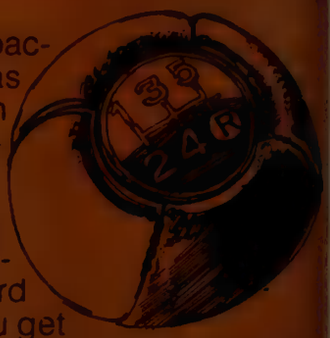

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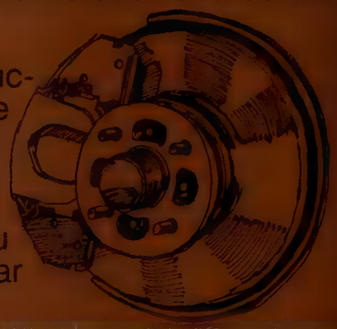

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THE PACIFIC MONTHLY *

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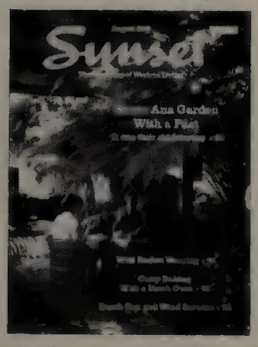

On hot summer days, there are few pursuits more delightful than retreating to a cool shady spot in the garden. The oasis on the cover, with its tree ferns and trellis canopy, is in Santa Ana, California. It was once a useless driveway. For a closer look, turn to page 68. Photograph by Glenn Christiansen

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If you like your out-of-doors a little out-of-the-way, you're going to love the Cerromar Beach resort, 30 tropical minutes west of San Juan. The beaches are uncrowded. And the golf is unlimited. On two Robert Trent Jones golf courses. You get 4 nights at Cerromar, plus unlimited greens fees and daytime tennis fees, round-trip airport/hotel transfers and use of bicycles. You can also get daily breakfast and dinner for an additional $19 per person, per day. 5% Puerto Rico room tax not included. Effective to Dec.20. IT8DL1CH39H

See your Travel Agent for full details on Delta's lower fares to San Juan and a big choice of Puerto Rican Dream Vacations. Or call Delta.

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ugust travel . . . in and beyond the West

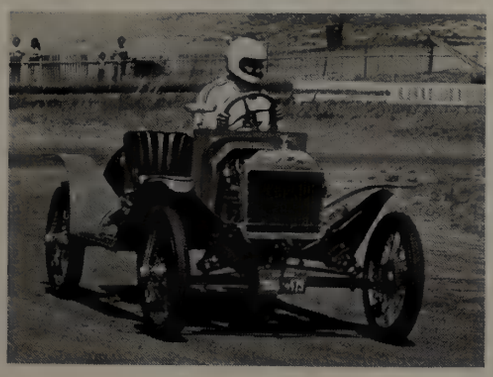
nding a high turn *come some old-timers at last year's meet, with a 1931 Riley, 1929 Bugatti, and 1924 Geisen-Ford ne lead. There's plenty of sit-down viewing on the oak-dotted slope overlooking this part of the course*

nterey hosts a bevy of beautiful cars—racing and touring

car buffs have two reasons to head Monterey late this month: the fifth ual Monterey Historic Automobile es on Saturday, August 26, and the annual Pebble Beach *Concours egance* on Sunday, August 27.

races will be held at the hilly 1.9- Laguna Seca Raceway, just off State way 68 between Salinas and Mon-. Crowds get larger every year for event (8,000 last year), so plan to e before 11 A.M. if possible.

inding road leads you to parking e the race circuit; from there it's an walk to any vantage point you se. Bring a picnic lunch or buy at



Fifty years *separate the spindly Model T speedster from the low-slung, knife-edged McLaren M20. Cars race against those of like vintage, and the oldest aren't pushed to their limits. Sightseers can go into the paddock to see them all up close*

PETER O. WHITELEY

Behind the scenes *in Tokyo: Hotel Okura's head chef guides Sunset editor*

Exploring Tokyo's kitchens

Eating her way around Tokyo was how home economics editor Annabel Post discovered the secrets of Japanese cookery. Planned for over a year, her three-week trip to Japan last November was designed as one way of getting to know our neighbor to the East. You'll find the results of her trip on page 62.

Accompanying our intrepid taster was Kiyoko Ishimoto, long-time *Sunset* friend and consultant originally from Kyoto, and photographer Darrow Watt. Together, they explored the city by foot, subway, and taxi, sampled the cuisine at all manner of eating establishments, visited wholesale and retail food markets, and learned the complex rituals of Japanese eating etiquette. □

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the fast-food trailers.

Be sure to stop by the paddock to see the old cars up close—lean, snouty, raw-boned machines that represent the best engineering of their time, long before the advent of air deflectors and 18-inch-wide tires. In these cars, the driver could see and be seen, and when he grinned and waved to the crowd, the crowd waved right back.

Laguna Seca's gates open at 7 A.M., warm-up sessions begin at 9, and racing action runs from noon to 4:30. Classes include early racing cars from 1910 to 1947, sports racing cars 1948 to 1962, and GT racing cars 1948 to 1966. Every year one car manufacturer is featured; this year it's Mercedes-Benz.

Tickets to the races are $10, free for children under 12 with an adult. This admits you to the paddock, grandstand, and hillsides. You can order tickets through major ticket agencies or buy them at the gate.

The *Concours* is held on the lawn in front of The Lodge at Pebble Beach (formerly called Del Monte Lodge) on the 17 Mile Drive between Monterey and Carmel. Tickets cost $8 (the usual $4 fee to enter the drive will be waived for those attending the *Concours*). Send a check payable to United Way (which will get a share of the proceeds) to Box 7, Pebble Beach, Calif. 93953, or buy tickets at the gate.

Judging for the best cars in each class starts at 10:30 A.M.; awards are presented from 1 to 4, including those for most elegant car and all-round best car.

Energy tour in Davis, August 26

Davis, California—15 miles west of Sacramento—may well be the nation's most energy-conscious city in terms of building codes and innovative solar structures. (For a look at some particularly bold examples, see page 112 of the November 1977 *Sunset*.)

You can get a close-up look at many of these buildings on an August 26 tour sponsored by the University of California Davis Extension. Builders and energy experts will take you through homes and offices, explaining how their alternative energy systems work.

To sign up, send $10 per person (includes lunch) before August 18 to Fee and Registration office, UC Davis Extension, Davis 95616; specify course number 781-V-08. The 4-hour tour (you ride double-decker London buses) departs from the north gate of the UC Davis campus on Howard Way at 10 A.M. For more information, call (916) 752-0880.

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Index of Directories

School and Camp Directory is the first of five Directories which appear regularly in each issue of SUNSET Magazine. The other four Directories are:

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beginning page 7

GARDEN CENTER
beginning page 165

'ESTERN GROCERY DIRECTORY
beginning page 114

SHOPPING CENTER
beginning page 168

Sunset School & Camp Directory

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school for young men 14 - 19

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clock to the 1890 boom town excitement of get-rich-quick settlers. A Night in Old Denver will bring alive the foods (German, Chinese, Mexican, Greek, and local dishes like buffalo burgers and rattlesnake meat), music, and atmosphere of the Victorian West.

Two big tent shows will feature melodrama plays and music hall revues every half hour. Legendary Mattie Silks, queen of the red light district, will open her parlor for dancing, and there'll be Dixieland jazz, barber shop quartets, sweet Adelines, and bluegrass music.

The festivities—a benefit for Historic Denver, Inc.—will be staged behind the old Tivoli Brewery at Larimer and Eighth streets; free parking will be available. Admission is $2.50 for adults, 50 cents for children 12 and under.

Gates will be open 6 to 11 P.M. August 23 and 24, 6 to midnight August 25, and 6 P.M. to 1 A.M. August 26. For more information, telephone (303) 837-1858.

A grand sailing ship holds open house in San Francisco, August 11-14

Lead ship in the Tall Ships 1976 bicentennial parade, U.S. Coast Guard bark *Eagle* sails down to San Francisco from Seattle this month, arriving August 11 at Pier 45 near Fisherman's Wharf. One of only 20 tall wind-powered vessels left in the world, she will be open for touring Friday, August 11 from 1 to 6 P.M., August 12 from 1 to 8 P.M., the 13th from 3 to 6 P.M., and the 14th from to 9 P.M. Cadets and crewmen will b on board to show you around. Her nex port of call is Long Beach, August 2 through 24.

Eagle is a training ship based at th U.S.C.G. academy in New Londor Connecticut. She was built in 1936 i Germany.

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If you go to Cache Creek

Cache Creek Canyon Regional Park mentioned in a rafting article in ou June issue (page 70) does not extend a the way to the take out at Rumse Bridge. Approximately the last 2 mil of the whitewater run we describe goe through private lands.

For travel planners, an August check list

California wine map. An attractive color map with representative drawings of 75 wineries in Napa, Sonoma, and Mendocino counties will help you find your way to the tasting rooms this fall. On the back of the map are listed winery addresses, telephone numbers, hours, tour and tasting arrangements, picnic areas; there is also a mileage chart. You can order the $3 map by writing to Graphic Concepts, Box 1246, Healdsburg, Calif. 95448.

England for mystery fans. Devotees of British mystery fiction will especially enjoy a two-week visit to England and Scotland departing Los Angeles October 13. You will stay in London for seven days, explore Devon and Cornwall, spend a "ghost evening" in York, then spend two days in Edinburgh. You'll dine with and attend lectures by mystery writers. The $1,995 cost includes air fare, lodging, and some meals. Write to Scene of the Crime, 13636 Ventura Blvd., Sherman Oaks, Calif. 91423.

Tour ancient Kashmir. A three-week tour to Pakistan and India departs September 30. You'll go to Lahore, Pakistan's capital city Islamabad, Rawalpindi, the beautiful Shigar Valley, Gilgit, and the Hunza district for mountain scenery. You'll then visit Srinagar in Kashmir for tours by deluxe houseboat and visits to mountain resorts, and end the trip in Delhi. Tour cost of $2,965 includes air fare, lodging, meals. For details, see a travel agent or write to Thru the Lens Tours, Inc., 12501 Chandler Blvd., North Hollywood, Calif. 91607.

Marine anglers' guide. A 140-page book, *The Anglers' Guide to the United States Pacific Coast,* is an excellent reference for ocean fishermen. Coastal sections of the West, Alaska, Hawaii, and Guam are discussed in a text accompanied by maps and charts for bottom fishing and sport fishing areas, facilities for sport boats, pier fishing, skiff rentals, ocean depths, location of kelp beds. There are also identifying drawings and descriptions of species of game fish you'll be catching. You can order the book for $7.50 from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock number is 003-020-00113-1. □

What a travel agent can do for you: Provide information on tours; reserve space on air, rail, bus, and steamship lines; make hotel, ranch, and resort reservations; take care of trip planning, including side trips and special events. Travel agencies do not charge for arranging transportation or package tours, but do charge for "custom" tour service.

Hawaii

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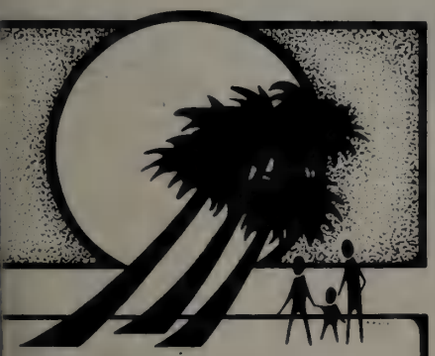

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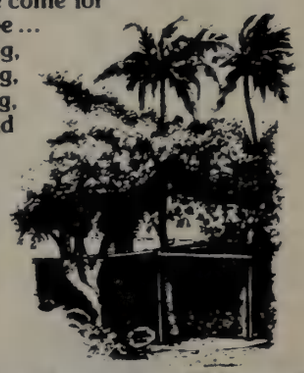

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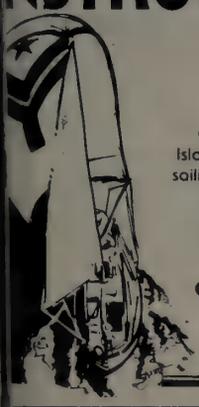

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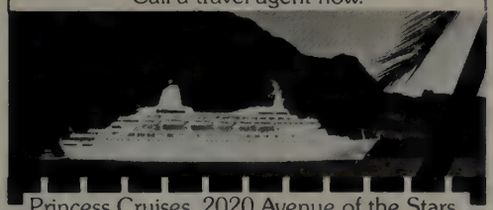

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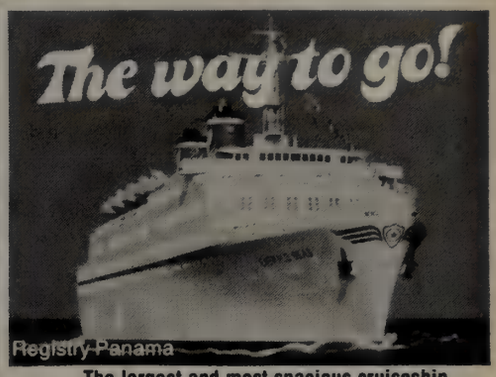

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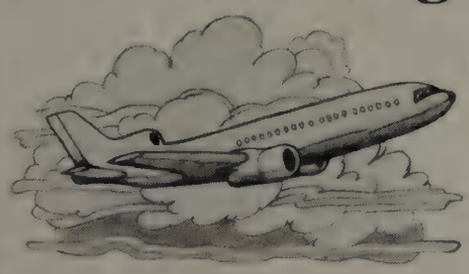

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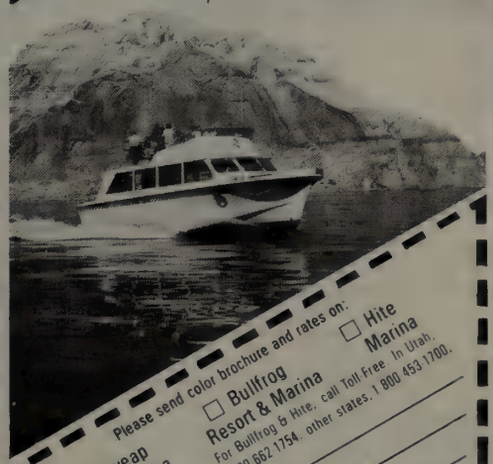

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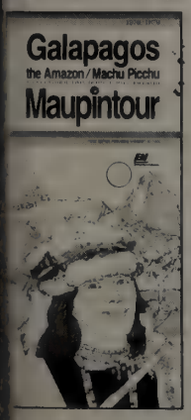

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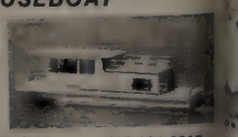

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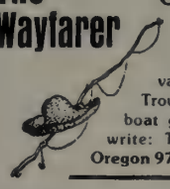

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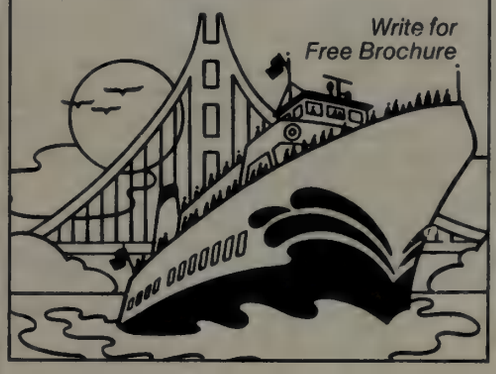

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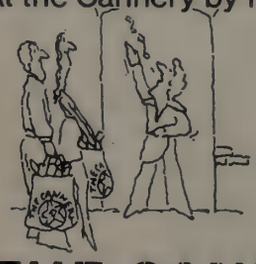

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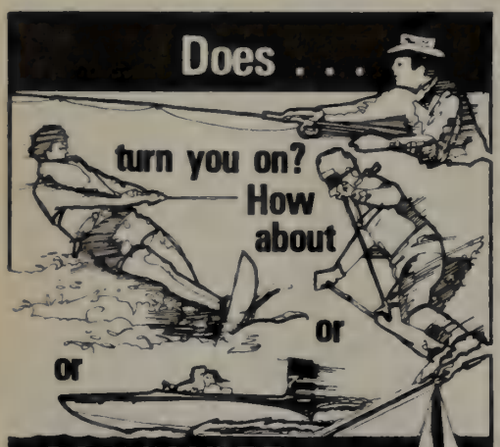

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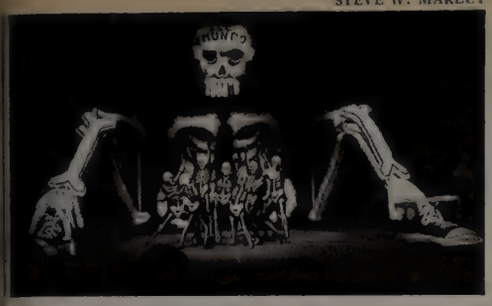
STEVE W. MARLEY



End of the world *is portrayed by El Teatro Campesino in San Jose festival*

In San Jose, a free theater festival

Balinese puppeteers, Maori dancers, aboriginal actors—all will perform in San Jose this month, as some 20 folk troupes from the Pacific Rim gather for the Pacific Peoples Theatre Festival August 18 to 27. All events are free.

In addition to performers from abroad, local groups such as El Teatro Campesino and the San Francisco Mime Troupe will perform.

Opening ceremonies will be delayed until the festival's second day, August 19, at 3 P.M. with a dance presentation by the Korean National Folk Art Company in the San Jose Center for the Performing Arts at 255 Almaden Boulevard.

Throughout the festival the San Jose Museum of Art at 110 S. Market Street will display theatrical masks from Japanese kabuki theater, plus Javanese, Indonesian, and Mexican folk drama. The museum is open 10 to 4:30 Tuesday through Saturday, 12 to 4 Sunday. Concurrently, at the Convention Center, 255 Almaden Boulevard, a collection of puppets from Pacific Rim cultures will be on view daily from 10 A.M. to 11 P.M.

At our press time, events had not been definitely scheduled, but locations had been chosen. Each day of the festival, at each of these spots, performances by local groups will be offered from noon to 4, followed by visiting groups from 7 to 10. For the latest information, you can telephone the festival office at (408) 298-1170.

Here are performance locations: Market Street at Park Avenue; Paseo San Antonio (S. First Street near E. Santa Clara Street); San Pedro Square (22 N. Almaden Boulevard); McCabe Hall (145 W. San Carlos Street); San Jose Museum of Art (address above); Scottish Rite Temple (N. Third and E. St. James streets); University Theater (S. Fourth and San Fernando streets). □

THE DUTCH CARIBBEAN

with John H. Keller
President
Caribbean Holidays, Inc.

Since the adventurous days of New World discovery, when European explorers planted the various flags of their countries across the Caribbean, the islands of the Caribbean have developed uniquely different cultures and personalities. Three of the most distinctive are the Dutch Leeward Islands of Aruba, Bonaire and Curaçao.

Stroll the waterfront of Curaçao's colorful capital, lined with gabled 17th century buildings, and for a moment you're in Amsterdam. There's an unmistakable scrubbed Dutch briskness about these islands, and a wealth of historic and cultural fascinations to give extra dimensions to a vacation.

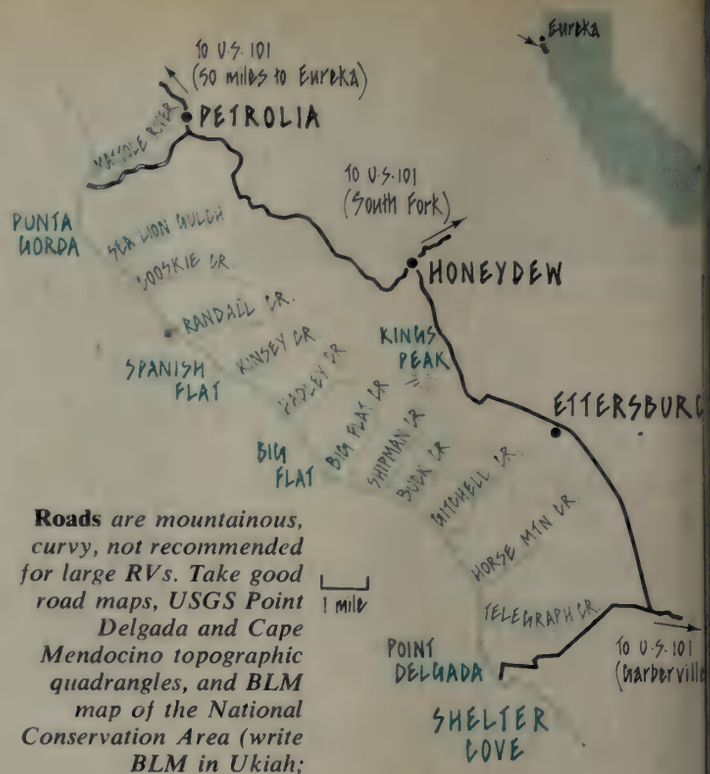
Curaçao is best known for its international shopping, its restaurants, and its fine old architecture. Aruba is an island of beautiful beaches and unusual scenery where every water sport is a pleasure. Bonaire is home for flocks of pink flamingos, and a favorite of scuba divers for its warm waters, unusual visibility, and large number of coral reefs right off the beaches. All three islands have excellent hotels and casino gambling.

Caribbean Holidays offers a variety of ways for you to visit these friendly Dutch islands, which you may select through your travel agent. "Free Spree" gives you your choice of hotels on either Aruba or Curaçao, plus dozens of extras, including sightseeing tours, cocktail parties, and gifts. Prices for each of two begin at $91 in Curaçao and $105 in Aruba for eight days and seven nights, from now until mid-December.

"Diving Holiday" in Bonaire includes breakfast and dinner daily for a week, six guided reef trips with transportation, tank, back pack, weights and weightbelts, and unlimited tank use for all the extra dives you wish.

Your travel agent knows about all of our vacation plans to Aruba, Bonaire, and Curaçao, and all about us too. We've been the travel experts in the Caribbean since 1932, and our tours are sold exclusively through travel agents. Please see your travel agent soon, and tell him or her I sent you.

Abandoned lighthouse *at Punta Gorda is first night's destination for backpackers walking on remnants of old logging road*



Roads *are mountainous, curvy, not recommended for large RVs. Take good road maps, USGS Point Delgada and Cape Mendocino topographic quadrangles, and BLM map of the National Conservation Area (write BLM in Ukiah; address below)*

Walking California's "lost coast"... 25 miles mostly to yourself

The "lost coast"—that's how California's King Range seacoast 70 miles south of Eureka is often described. Here mountains meet the sea so abruptly that Highway 1 is forced 17 miles inland after dauntlessly hugging the coast most of the 4½-hour drive north from San Francisco. This ocean stretch can lay claim to the longest roadless stretch of California coast.

Much of the King Range coast can be hiked within earshot of the surf: you alternately walk on dark, mineral-rich sand, do some boulder-hopping, and follow an abandoned dirt road along a 25-mile stretch of beach between the mouth of the Mattole River and Shelter Cove. For backpackers, it's a rigorous 3 to 4-day one-way hike requiring car shuttle arrangements. Day hikers can take shorter treks in from either end of the trip we describe below, turning around after lunch as their stamina dictates.

Late summer and early autumn is an ideal time for a visit; summer fogs that often blanket the area are becoming less frequent, and the narrow beach is wide enough for easy passage (winter storms gnaw some of the beach away). Don't expect total solitude: The area is open to off-road vehicle travel (parts of it may soon be restricted), and an occasional dune-buggy rig may buzz by, especially near Shelter Cove. And try to hike before September 23 or after October 15: That's the hunting season, although most hunters are far back in the uplands.

But the distractions are few: Mostly you're enjoying a close look at water and land. Unstable soils and rock have created great alluvial fans, slides, and talus piles spreading across the beaches. Your feet may get wet crossing rocky creeks. Driftwood is still piled high from last winter's storms. Pack rain gear for occasional summer storms and heavy fogs. Carry binoculars or long-lensed cameras to observe seals and sea lions just outside the surf, pelicans crashing into a swell for a meal, or deer and bobcat in the tangled brush.

This is a Bureau of Land Management-administered National Conservati area. For more information, write (drop by) their office at 555 Leslie Stre (Box 940), Ukiah 95482; open weekda 8 to 4:30. If you want to hike in t upland areas, they can help you plan good loop trip.

A hike north to south—you need a car shuttle plan

Prevailing winds will be at your back you hike north to south. You'll have arrange for someone to pick you up Shelter Cove at the end of your trip, leave a second car there before drivi north to your starting point at the Ma tole River. To get to Shelter Cove (dri ing time 1½ hours from U.S. Highwa 101), take the Garberville exit off 10 Garberville has an excellent old count inn, the Benbow, if you want to wa until morning to drive the backroad Follow the old highway through tow to Redway, then turn west to Bricelan on Briceland-Thorne Road and Shelt Cove Road. Once at Shelter Cove, tu right onto Beach Road and drive 1 mi

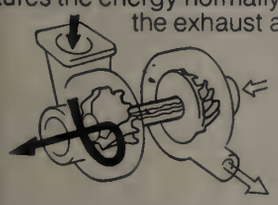
SAAB TURBO

Your passion for power matched to our passion for engineering.

Driving the Saab Turbo puts the power of the future in your hands. The experience is both visceral and cerebral. Even a pro like Car and Driver's Steve Thompson felt it. He said, "...Saab Turbo...a genuine Fourth-of-July driving experience, full of sudden pleasure and high spirit..."

The Turbo is the culmination of years of our engineering passion. We'll highlight just a few of the many engineering details of this amazing machine.

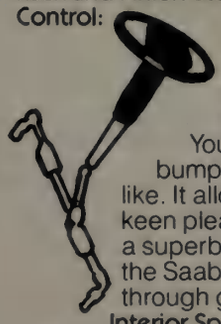
The Saab Turbo-Charged System:
Turbo-charging is the process that captures the energy normally lost through the exhaust and puts the energy back into the work process to obtain extra power.



Our breakthrough was designing a turbo-charging system able to function at low speeds. That means our 2-litre, overhead cam fuel-injected engine has extra power for you to command in daily driving situations. To pass, a surge of turbo power shoots you ahead. Or when you're moving on to a busy highway, count on turbo power to supply the big thrust.

We Pioneered Front Wheel Drive:
We realized that front wheel drive supplied the superior traction needed for all sorts of road surfaces; snow, mud, etc. It's been a standard feature on all our cars. And an integral feature of the Saab Turbo.

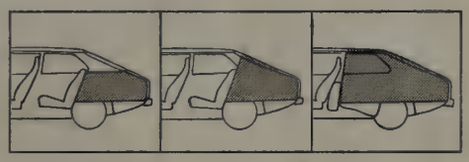
Rack and Pinion Steering for Confident Control:



This steering system provides direct, precise control with instant wheel response. You can react instantly to bumps, potholes and the like. It allows you to feel the keen pleasure of maneuvering a superb power machine like the Saab Turbo, confidently, through glove-tight turns.

Interior Space Honestly Designed for People:
Five adults, seated in the Saab Turbo, are sitting pretty. The orthopedically-created seats and innovative interior design are proof we know that people need plenty of room for their feet, shoulders, elbows and heads. Even the people who sit in the back.

The Saab Turbo luggage space is another example of practical space engineering. Just fold down the rear seat – lo and behold! – the area converts into 53



cubic feet of cargo space. That's practically like having a station wagon at your command.

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The Saab Turbo: $10,498.*

*The manufacturers suggested retail P.O.E. price for the SAAB Turbo includes dealer preparation: taxes, title, destination charges and options are additional.

All SAAB models are available through our Tourist Delivery Plan. Ask your local SAAB dealer for more information.

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AUTOMATIC SOLAR COVERS

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1970 Gladwick St., Compton, Ca. 90220

to parking at the beach.

To get to the mouth of the Mattole from Shelter Cove (driving time 1½ hours) backtrack on Shelter Cove Road and then take the Ettersburg-Honeydew Road toward Petrolia. Just before entering Petrolia, on the south side of the bridge that crosses the Mattole River take Lighthouse Road west; park at the end by the beach.

Other approaches to the mouth of the Mattole are west from South Fork on U.S. 101 (22 miles to Petrolia) or south on Mattole Road from 101 near Eureka (50 miles on windy road to Petrolia by way of Ferndale).

Hiking by the surf

From the mouth of the Mattole River it's about a 2-hour hike along the beach to the abandoned lighthouse (built 1912) at Punta Gorda. (This is the best place to camp on the first day's hike, particularly when the logistics of a car shuttle puts you at the trailhead in mid-afternoon). It's a fine shelter when the wind is stiff, but the concrete floor is often flooded.

Less than a mile south of the lighthouse is Sea Lion Gulch. You'll hear the residents before you see them on the rock 75 yards offshore. If you only planned a day hike, this is a good spot to picnic then turn back.

From this point the hike becomes a matter of picking your way along a rocky beach for 6 miles, walking on a surface much like broken bowling balls (wear sturdy boots). High tides might get your feet wet, but there's no danger. You'll notice sheep grazing on the hillsides much of this country is still under private ownership.

Eleven miles south of the Mattole is Spanish Flat, where the trail improves. It's a good spot for the second night's camp. The next day, hike to Big Flat where the shoreline widens beneath 4,087-foot King's Peak. At Big Flat Creek, and all creeks south to Shelter Cove, the water is potable. North of the creek, use purification tablets.

Through this second half of the hike, the terrain changes; bluffs are replaced by heavily forested slopes and there are more creeks. The south side of Gitchell Creek is an excellent spot to spend the last night. It's also a good destination for a day hike north from Shelter Cove. The hike out to the trailhead at Point Delgada and Shelter Cove takes about 3 hours. There's a restaurant at Shelter Cove, but no accommodations.

Join a group hike

Marin Adventures, an outdoors group from the College of Marin, will be making this hike October 19 to 22. Write to Dan Campbell, College of Marin, Kentfield, California 94941, for more information. □

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/hat's more, it's Value Season now in Colonial-yle Nassau/Paradise Island, swinging Freeport/Lucaya ıd the breathtakingly beautiful and remote Out Islands, prices are way down.

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ice is per person, double occupancy and includes otel accommodations and roundtrip airfare from Los Angeles. Hotel tax, meals and service charges are not included.

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No wonder people speak of Tempwood in glowing terms. Once lit, this top-loading downdrafter gives immediate heat. Secondary air is induced naturally—gases rising off fire are forced downward by thrust of air between two downdraft vents. Wood burns simultaneously, evenly and completely . . . long into the night.

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DON NORMARK

Contrasting *against surrounding miles of golden wheatlands, the R. H. Gatiss garden is ablaze with gladiolus this month*

Drop by a Montana country garden

A dazzling splash of flowers along a winding millstream brings to a halt dozens of summertime travelers on Montana Highway 35 just south of Creston (about 30 miles south of Glacier National Park's west entrance).

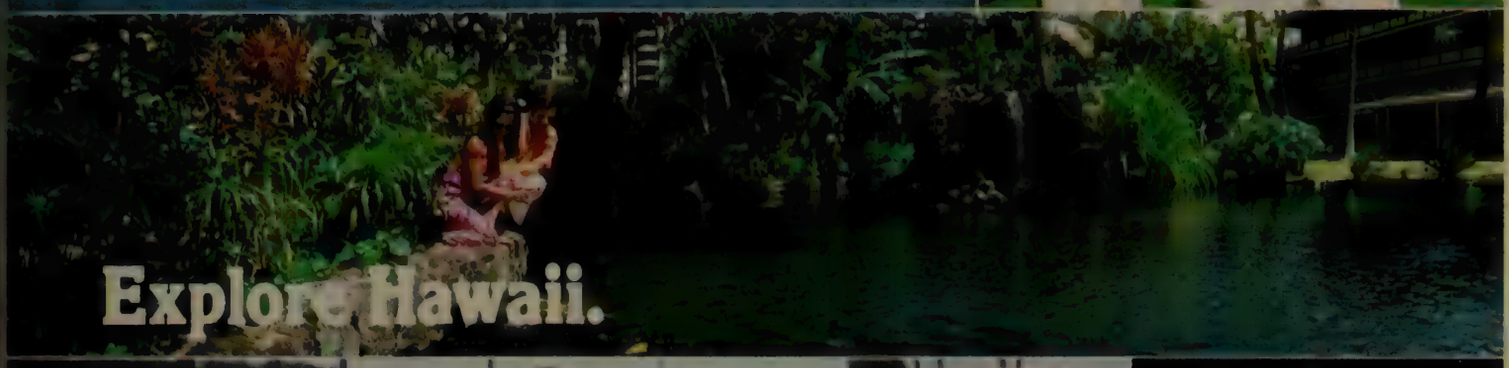
The Gatiss family never intended their garden to become a tourist attraction, but since it inevitably attracts passers-by, they've provided a parking area next to the garden and paths that permit visitors a closer look.

You walk through banks of flowers, mostly perennials—gladiolus, peonies, many varieties of lilies, and, in the spring, daffodils and tulips. There are also roses, sedums collected from high country around the world, a bed of sempervivum, and half a dozen varieties of ivy. Markers identify most plants by their common name.

The family has gardened here since 1898, when Harry and Rose Gatiss planted a few hardy flowers and shrubs reminiscent of their native England near their log cabin (you can see photographs in a small family museum along one garden path).

The existing garden, including a waterwheel (Gatiss used to operate the flour mill) and rocks lining the stream bed, are the result of family inspiration and hard work. Friends and visitors have contributed special plants to the garden, and each year the Gatiss family experiments with new seeds and plants, always looking for ones tough enough to survive northwest Montana winters and a relatively short growing season.

The garden should be at its showiest this month. There's no admission fee. □



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A day begins at the Hawaiian Village with a swim in a warm turquoise ocean from your own private beach. A morning is spent under a tropic sun—already hot at 9 A.M. Escape to an isolated lagoon in a cool, lush tropical forest. Or discover Imperial Japan or 1890 Hawaii at the Rainbow Bazaar. That evening dine on board our Hilton Rainbow catamaran and watch a tropical sun set at the other end of the world. Save the Luau for tomorrow. Save the snorkeling for the day after. Save the dancing and the shows and the restaurants for the day after...and the day after. The Hilton Hawaiian Village. A 20 acre Hawaiian island unto itself. In the middle of Waikiki. Welcome.

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Come and see us this Fall, when we perform some of the finest entertainment in the world, from ballet to cabaret. And best of all, it's all happening right next door!

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FRANK JENSI

August harvest *of peaches—and other fruit—is part of bounty along U.S. 89*

Detour for Utah harvest, history

Just a short detour off Interstate 1 takes you into some bountiful and hi toric country north of Ogden. The 1: mile side trip on U.S. 89 between Plea ant View and Brigham City is a goo change of pace if you're going from Sa Lake City to Yellowstone. (Northboun take exit 353; southbound, take 363.)

The highway lies only a mile east of th interstate, but on it you can more easi admire the area's lush fields and hil orchards. Much of the fruit finds its wa to rickety roadside stands, and it's single-minded driver indeed who won be tempted to stop for August's peache squash, and tomatoes.

Five miles north of Pleasant View Willard, Utah's first National Regist Historic District. Its fancifully trimm stone houses were built by Mormo settlers in the 1860s, and though no are open to the public, they're worth look if you're driving by.

Gabled windows *with carved trim distinguish Willard houses—built to last*

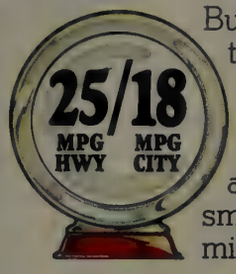
SUNS

WE MADE IT SMALL WITHOUT MAKING IT SMALL.

Aspen offers a lot of things that are good about big cars... in addition to a lot of things that people like about small cars. By every measurement, Aspen is sized right... engineered right... priced right.

Aspen's small-car gas mileage.

EPA estimates for our new Aspen wagon are 25 MPG highway and 18 MPG city when it's equipped with a 225 one-barrel six-cylinder engine and manual transmission. Our new Aspen sedan does even better with the same engine and transmission: 28 MPG highway and 20 MPG city. Of course, your mileage may vary according to your driving habits, the condition of your car and its equipment. In California, automatic transmission is required and mileage is lower.



But we think you see what we mean about small-car mileage.

Aspen's small-car price.

It's easy to find some smaller wagons with a larger price than our wagon. The nicely turned out Aspen below, for example, has a price of just $4294, as you see it, excluding taxes and destination charges. So you see, Aspen gives you plenty of opportunity to order your favorite equipment without compromising your budget.

Aspen's big-car "Feel."

When you drive our Aspen, you'll notice how confidently and quietly it handles the road. Much of this is due to Aspen's carefully engineered isolated transverse front suspension system. Our wagon's carefully planned sound insulation and luxurious seating contribute even more to its big-car quiet and comfort.

Aspen's big-car room.

Once you get inside the Aspen wagon, you'll be impressed by such big-car dimensions as the 43.3 inches between wheelhouses and the over 5100 square inches of glass area. If you prefer sedans, however, be aware that Aspen thinks big, too. It offers true six-people accommodation plus more total passenger room—front and back—than Ford Fairmont or Mercury Zephyr.

Important words about resale value.

All of this big-car/small-car thinking has obviously made its mark on Aspen's value. Because a 1977 Aspen wagon currently retains a greater percent of its original sticker price, model for model, than any other 1977 Chevrolet, Pontiac, Buick or Ford wagon. That's straight from the May 10, 1978, issue of the authoritative *Automotive Market Report.*

And that makes Aspen a very enticing proposition whether you plan to buy or lease your next new car. Surely enticing enough for you to come into your Dodge Dealer's and find out the secret of making a small car behave like a big car.

NEW DODGE ASPEN

$4294.

Sticker price, as shown. Excluding taxes and destination charges.

Dodge

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Getting more than you pay for in a glass of water is no bargain.

Each year hundreds of new chemicals are added to the thousands already on the market—each one a potential contaminant of our water supplies.

You can't control the purity of your tap water, but you can control the purity of your drinking water with a portable distiller from the Pure Water Society.

Distillation units available through the Pure Water Society have put nature's own cleaning process to work conveniently and economically for thousands of home and commercial users. Why not join them in discovering the benefits of distillation? It's the one sure way of getting only what you pay for in a glass of water.

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In 1840, *Thomas Hardy was born here in Dorset; the cottage is open to visitors*

Thomas Hardy country . . . Dorset

The lush rolling downs of Dorset, England, seem to have changed little since Thomas Hardy immortalized the region in his novels. Red Devon milk cows of the kind Bathsheba tended in *Far From the Madding Crowd* still dot the land.

Hardy drew freely on his home region (fictionalized as Wessex) for settings in his seven major novels, and you can visit many of the places he made famous. From August 20 to 26, the small town of Dorchester (124 miles southwest of London) will hold a Hardy Festival with plays, lectures, and exhibits.

Dorset County Museum on High East Street in Dorchester has the world's largest store of Hardy manuscripts, plus a reconstruction of his study. Here you can also buy walking-tour guides to Hardy settings. The museum is open 10 to 5 daily except Sunday; admission is 50 cents.

There's a play about Hardy at the museum August 21 to 26 at 7:30 P.M. (admission $1.40), and Hardy's novel *The Trumpet-Major* will be staged at the Corn Exchange on High West Street August 24 to 26 at 7:30 P.M. (admission $2). Lectures will be held there August 22, 24, and 25 at 3 P.M. (admission $2).

Hardy's birthplace cottage is 2 miles east of Dorchester; from A35, take the Stinsford exit and turn onto Higher Brockhampton Road to the house. Its gardens are open March through October from 11 to 6 daily; admission is 80 cents.

From London's Waterloo station, you can take the Weymouth train daily to Dorchester and walk into town. □

"This time we went straight to Maui!"

"Everything we wanted to do, we could do on Maui, Molokai, or Lanai..."

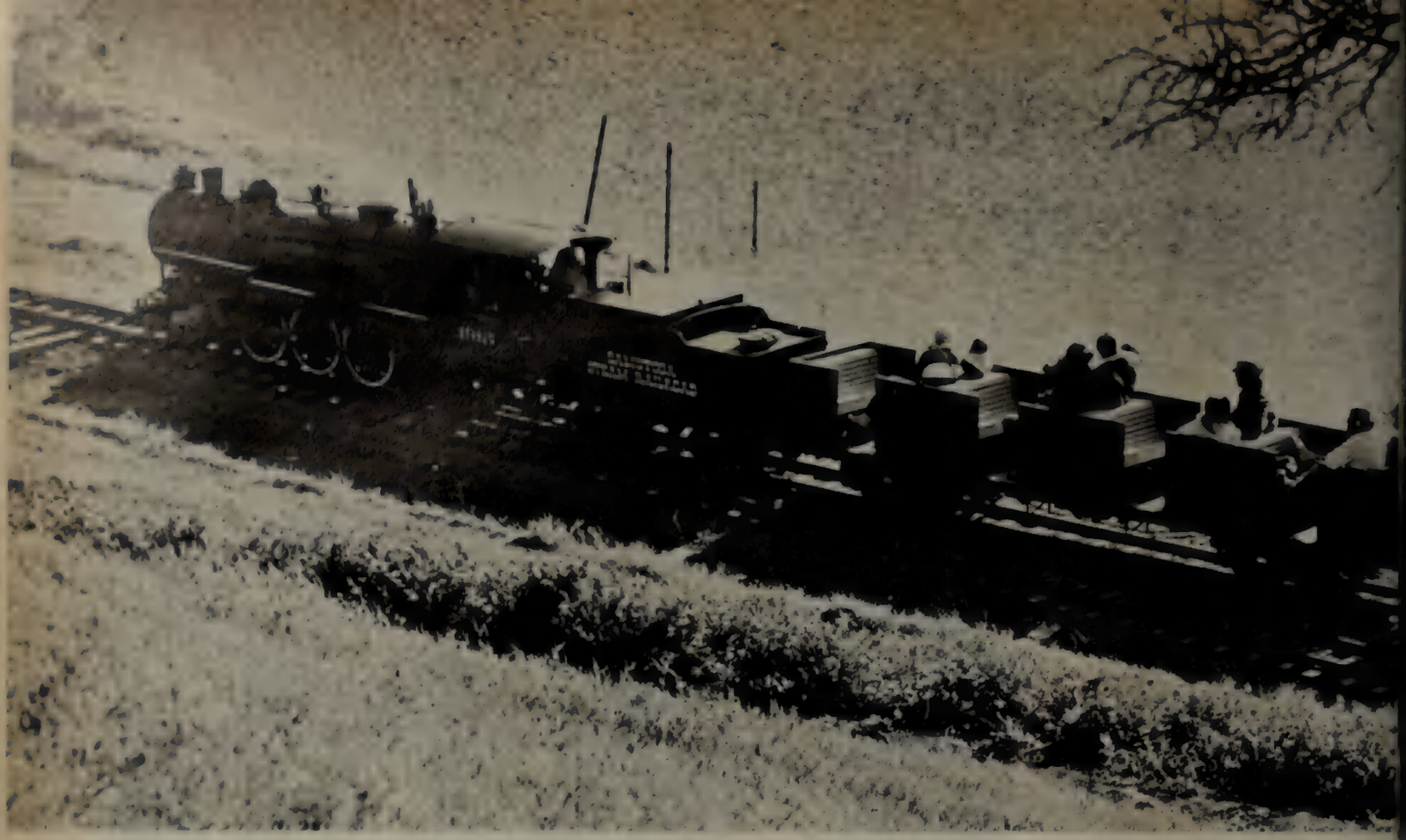
The three islands of Maui County are at the heart of the perfect Hawaiian vacation. Wander down long sweeps of golden beach. Swim, surf and sail in the warm, clear ocean. Enjoy superb golf and tennis facilities. Bask in the sun and gasp at the sights. Dine and dance. There are more than 8,000 luxurious hotel rooms and resort condominium apartments on Maui, Molokai and Lanai, so there's plenty of room for you.

Maui, a place for all seasons: It's for campers and kids, lovers and lookers, sports and shoppers. More people have more fun on Maui. And that's why more people come back, again and again.

The best Hawaiian Islands of all.

Maui
Molokai & Lanai

Call or write:
MAUI COUNTY VISITORS ASSOCIATION
P.O. Box 1738 Kahului, Maui Hawaii 96732



Open gondolas *are pulled by the Calistoga Steam Railroad's one-third-scale, 65-year-old steam locomotive on 2¼-mile track*

The same locomotive hauled passengers in San Francisco in 1915. Now it's in the Napa Valley

Passengers waiting *at the s can examine the well pistons, gauges, and fittings 1913—or try on engineer's unifo a combination shop and m*

Surprisingly powerful in spite of its diminutive size, Locomotive Number 1913 of the Calistoga Steam Railroad is no stranger to hauling carloads of passengers over narrow-gauge tracks. During the 1915 Panama-Pacific Exposition in San Francisco, this engine and three others ran fairgoers around the exposition on the Overfair Railway.

This summer, the same locomotive will be pulling open cars of passengers along a recently expanded 2¼-mile loop of track through the open countryside of the northern Napa Valley. On about a 15-minute ride you cross three small trestles, climb an oak-forested hillside, then steam through a grassy field at about 20 mph (top speed is about 25 mph). A turntable built this spring reverses the engine after runs.

The locomotive was one of four constructed expressly for the exposition as an exact one-third-scale reproduction of the sophisticated Pacific-type locomotive (it has a 4-6-2 wheel arrangement). After the fair all four engines were put into storage until 1968, when Calistoga resident Robert C. Maxfield bought two and began painstakingly restoring number 1913 (named for the year it was built) to serviceable condition.

The railroad will run from 11 to 5 daily except Monday, June 15 through September 30. Fares are $1.50 for adults, $1 for children 5 to 12, younger children free. The station is on the eastern edge of Calistoga on Silverado Trail, about ¼ mile southeast of State 29. For group tours, write to Calistoga Steam Railroad, Calistoga, Calif. 94515. □

After spinning slowly *on this new turntable, locomotive is recoupled with its cars before each departure from the station*

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STEVE W. MARLEY

Pondside shelter *shades happy catfishers at Fish Haven Catfish Farm*

Bewhiskered trio *is the prize if not pretty catc displayed by young angle*

Central Valley catfish farms . . . catch your own or buy fresh-caught

Don't stop at Disneyland.

Sure, Disneyland is a great place to start. But just because you've been there doesn't mean your visit to Southern California is complete.

Because, only minutes away from Disneyland is California's second greatest attraction. Knott's Berry Farm.

Here at Knott's, you and your family will share experiences that will last a lifetime.

In the Old West Ghost Town, you can ride a stagecoach, watch a wild west show, and even pan for real gold.

In our Roaring 20's Airfield, you can drop from a parachute jump 20 stories high, compete in the great motorcycle race, or ride the Corkscrew rollercoaster through 2 complete upside down loops.

In all, Knott's has 135 rides, attractions and places to eat. The shopping is terrific, and the live entertainment never seems to stop.

A visit to Knott's Berry Farm is a nostalgic trip into the past filled with fun and excitement for the whole family.

Minutes away and worlds apart.

La Palma & Beach Blvd., Buena Park, CA. 90620 (714) 827-1776.

A new kind of farm is making its deb in California's summer-warm Centr Valley—the catfish farm. Most ha both "fish out" ponds, where you ca fish for your own catfish and pay f them by the pound, and fish market where you can buy live catfish right o of a tank. The ponds are stocked wit fingerling catfish that, when properly f and managed, grow to a pound or mo in about six months.

Earlier this summer we visited the Fi Haven Catfish Farm near Colusa a tried the "fish out" pond. The farm co sisted of a 4-acre pond enclosed by grassy levee, several pondside shelters, shaded picnic area, restrooms, drinki water, and a bait shop and fish marke A $1-per-car admission fee allowed full use of the facility; we didn't need state fishing license.

We brought along our own fishing tackl but some of the farms now offer rent equipment. At the bait shop we had choice of cut sardines ($1 a pounc nightcrawlers ($1 a package), and fre chicken livers (50 cents for a ¼-pour container). We opted for the chick liver and selected a spot at one of t levee shelters. In just over an hour, v

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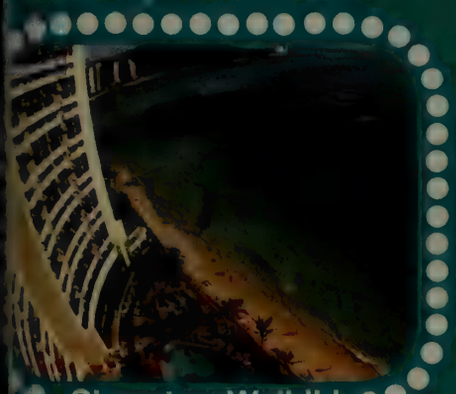

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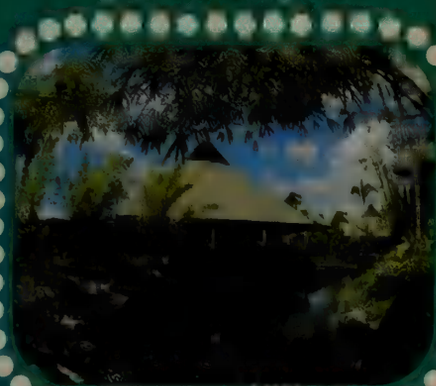

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Ontario Canada

STEVE W. MARLEY

Farmer *weighs up catfish catch; ou pay by the pound*

ad three vigorously flopping catfish.

At the farm's market, the three fish veighed up at just over 5 pounds. The live weight" price was $1 a pound, and t cost an extra 25 cents a pound to have he fish skinned and cleaned. You can lso have your catch "freezer wrapped" r fileted "ready to fry" for $2.80 a ound.

Even if you don't catch anything, you an still select live catfish netted from tank at $1.40 a pound "live weight," 1.65 a pound skinned and cleaned, or 2.80 a pound wrapped and ready to fry.

The homely catfish, an 1870s immigrant o the West, may never replace trout in he hearts of Westerners, but its lean, hite, mild-flavored flesh can give the andsome trout some competition at the inner table.

o help you find a good catfishing spot, ere are catfish farms we have visited or nterviewed by telephone. They're genrally open dawn to dusk; best fishing early or late in the day.

hadow Lake Ranch, 8 miles east of edding on Old Alturas Road.

hico Game Fish Farm, 9 miles south f Chico at the junction of highways 9 and 149.

ish Haven Catfish Farm, 1 mile southast of Colusa on Highway 20.

lk Grove-Florin Catfish Farm, just outh of Sacramento at 8047 Elk Grove-lorin Road (take Florin Road exit east om Highway 99).

agundes Catfish Farm, 1 mile east of lanford at 9030 Grangeville Boulevard.

n Southern California, many pay-a-fee shing lakes stock some catfish in the ummer, but we couldn't find any stockg them exclusively. □

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JERRY FREDRI

Fighting trout *is reeled in from placid waters edging Ruby Lake refuge dike. Birdwatching for species like the sandhill crane at right is good in the marshes spring through fall*

Nevada detour off I-80

The lofty Ruby Mountains, the very fishy Ruby Lake

Refreshingly cool above the baking eastern Nevada desert, the Ruby Mountains have been a welcome sight to cross-country travelers since the first wagon trains rolled by almost 140 years ago.

For early pioneers on the Emigrant Trail, the mountains were one of the first dependable sources of water after crossing the Great Salt Lake Desert. For modern travelers on Interstate Highway 80, the high elevations offer about the only dependable escape from August heat between the Sierra Nevada and Salt Lake City.

Just 30 miles southeast of Elko, the Ruby Mountains dominate the region, but they're not the only attraction (see map page 36). On the southeast flank of the range is Ruby Lake National Wildlife Refuge, offering trout and bass fishing all summer long. Northeast of the Rubies, barely a half-hour detour from the highway, is Angel Lake, where you can camp and picnic high above the heat. Taken together, this little-known area offers such a variety of hiking, fishing, camping, and scenery that you could easily spend a week between mountain and marsh.

For most travelers a weekend is long enough to hit the highlights.

Lamoille Canyon—heart of the Rubies

Scoured by glaciers in recent geologic history, the Ruby Mountains stretch about 100 miles long, but barely 9 miles wide. Peaks are steep, cresting on top of jagged ridges that tower above broad, U-shaped valleys. Ice-cold streams meander through these valleys, occasionally broadening into ponds behind beaver dams.

The most spectacular part of the range, with half a dozen peaks soaring over 11,000 feet, is in the Ruby Mountai Scenic Area. To get there from Elk take State Highway 46—the Lamoil Highway—20 miles southeast to th road up Lamoille Canyon and follow to the end. A mile beyond the canyo road is the village of Lamoille, with ranger station, small store and bar, ar picturesque white church built in 1905

Winding 13 miles up the canyon, yo first pass shady Power House Picn Area on Lamoille Creek, then clim above the piñon pine and sage into thic stands of aspen, pine, and chokecher at 42-unit Thomas Canyon Cam ground. Popular with locals escaping th heat, this campground is almost alwa full on summer weekends. Arrive ear to get a campsite ($2 per night). Fro the campground it's 2 miles to the ne Terraces Picnic Area; five miles to parking area at the end of the road.

Puddle-jumping *is exhilarating at 9,000 feet on the trail into Lamoille Lake in the heart of the Ruby Mountains. Above, quaking aspen edge Thomas Canyon campsites beneath steep slopes of glacially carved ridge*

t an elevation of 8,850 feet (Elko is ›out 5,000), you are now at the trail-ead for backpackers into the heart of e scenic area. The trail winds along e crest for 43 miles to a gravel road at arrison Pass; however, most hikers ıly go 4 or 5 miles to Liberty or Favre kes (good brook trout fishing). Day kers can go 2 miles in either direction Lamoille or Island lakes. In late June, ›th lakes still had ice on them.

shing and birdwatching on Ruby Lake

n intricate system of interlocking kes, canals, lakes, and marshes keeps uby Lake National Wildlife Refuge ›rthern Nevada's premier resting and sting place for indigenous and migra-ry birds. And it's a great place for ›ut and largemouth bass fishing.

d by numerous streamlets from the uby Mountains, the refuge offers best ›ut fishing in spring and fall. When e water warms up in the marshes mid-ne through September, bass fishermen e over. This month you'll find them igging around the bulrushes from all boats despite daytime tempera-es that are often in the 90s.

e 37,632-acre refuge is the center of controversy over power boat use. wer boating is presently allowed in prime nesting habitat for the greatly ninished canvasback duck. Last year,

Waving *from back of pickup, they don't seem to mind dusty ride on gravel road up eastern flank of the Rubies*

JERRY FREDRICK

Framed arrowhead *collection is in Jiggs' (named for the cartoon character) roadhouse on Highway 46*

When Lansford Hastings *wrote his Emigrant's Guide to Oregon and California in 1843, he described a shortcut from Wyoming's Fort Bridger to Fort Hall just west of Elko. In fact, "Hastings Cutoff" was longer and more difficult than the Emigrant Trail (now Interstate 80). In 1846, the Reed-Donner Party took the cutoff (dashed line on map), spending a week skirting the Rubies. Although inexperience slowed them from the start, the winter tragedy of Donner Pass could probably have been avoided if they had not met Hastings on the trail and been persuaded to take the cutoff*

You can pick up a 50-cent map of the Rubies from the Forest Service in Elko or Wells before you detour

after 10 years of study, the Fish and Wildlife Service proposed a 10-hp engine limit on refuge waters. Local boaters fought the decision, and in a surprising move Assistant Secretary of the Interior Robert Herbst abandoned Fish and Wildlife's position, and allowed unlimited-horsepower boating from July 1 to the end of waterfowl hunting season.

This did not settle the controversy, however. Power boaters want even fewer restrictions, and there has been talk about petitioning Congress to remove Ruby Lake from the refuge system.

Although camping is not permitted in the refuge, you can camp on Bureau of Land Management-administered acreage surrounding the marshes. There is a 35-unit B.L.M. campground ($2 per night; water is available) a half-mile south of refuge headquarters where you can get complete information on fishing, boating, and regulations. Between the headquarters and campground you'll pass a state fish hatchery currently closed for maintenance and installation of new equipment.

Gas, basic supplies, limited fishing tackle, and fishing licenses can be found at Shantytown 5 miles below the B.L.M. campground, along with cold drinks and plenty of advice for bass fishermen. Top off your gas tank and water containers before leaving Interstate 80.

The road branching south from Highway 11 to the marsh is gravel. Allow about 2 hours to drive the 75 miles from Wells via Highways 93 and 11. It takes roughly 1½ hours to drive the 60 miles from Elko to refuge headquarters over Harrison Pass. In the pass, look for weathered carvings on the aspens made by earlier travelers.

Picnic/camping detour to Angel Lake

Barely 30 minutes from Wells, Angel Lake is actually in the more compact East Humboldt Range. It's the most convenient detour for Interstate 80 travelers who just want a short driving break or overnight camp above the desert heat. Nestled in a granite bowl at an elevation of 8,200 feet, the cold-water lake is stocked with rainbow and brook trout.

Turnoff for the 14-mile drive to the lake is Starr Avenue near the west end of Wells. On the way you'll pass 1 unit Angel Creek Campground; 26-u Angel Lake Camp is at the end of t road. Both cost $2 per night. There also a pleasant picnic area at the lak Hiking opportunities from Angel La are limited to a rough, 3-mile trail tiny Grey's Lake, which is reported stocked with cutthroat.

The U.S. Forest Service has offices both Elko and Wells open Mond through Friday from around 8 A.M. 4 P.M. They stock recreation maps (cents) of the Ruby Mountains. Elko h a chamber of commerce near the e end of town right on the main highw where you should find Forest Servi maps and brochures on nearby poi of interest. The small museum next do is worth a quick stop.

All fishermen over age 12 must have Nevada fishing license. A non-reside permit good for 10 days costs $10 and available at most local sporting goo shops in Elko and Wells.

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And not only does it save on renting a cottage, the Campmobile Bus saves plenty on fuel, too. It has a peppy, fuel-

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So, when you want to get away from it all without ever leaving the comforts of home, remember. It's more fun to take the Bus. The '78 VW Campmobile Bus. Home never looked so good.

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IT'S MORE FUN TO TAKE THE BUS. THE 1978 VW CAMPMOBILE BUS.

The crude plank table, *wooden churns, and vats for separating milk and whey re-create the cottage of a pre-industrial French dairyman*

NORMAN E. PLATE

A peasant girl *in Brittany might have worn this dress on a feast day*

The country life of bygone France . . . in San Francisco, L.A.

A glimpse into French country kitchens and farms of a quieter time—before machines altered life forever—is preserved in the unique National Folk Art Museum in Paris (Musée National des Arts et Traditions Populaires). But you don't have to go all the way to France to get a taste of that bygone era; a traveling exhibit from the museum, sponsored b the Smithsonian Institution, is comin to California this month.

Some 200 pieces are on display at Sa Francisco's old Flood mansion at 222 Broadway (now the Convent of th Sacred Heart school) through Augus 13. Then the show moves to the Lo Angeles Craft and Folk Art Museum a 5814 Wilshire Boulevard from Septem ber 2 through October 15.

Born of an awakening pride in the rura arts and customs of early France, th museum's collection was started in 194 when a team of anthropologists scoure the provinces for tools, furniture, an clothing dating from the Iron Age t the Industrial Revolution. By 1975, had burgeoned to over 4,000 objec and was moved to the National Folk A Museum.

The traveling exhibit was selected t celebrate the arts of the farmer, woo carver, lacemaker, and seamstress. I San Francisco, the show is open 9 to weekdays, free. In Los Angeles, it's ope 8 to 5 daily, free. In Paris, you will fin the Musée National des Arts et Tr ditions Populaires at 6 Route du M hatma Gandhi. It's open 10 to 5 dai except Tuesday; admission is $1 ($1.5 on Sundays).

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You may use additional views which you may find in dusty attics, cellars and antique shops.

The optional pedestal display base has a spun brass pedestal, a wood base with a felt bottom and a museum-type brass plate which says:

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I.C.C. No. MC

In Guts Frisbee, *two teams try to catch—one-handed—throws traveling up to 100 mph*

At the Rose Bowl: *Trick throws and leaping dogs are part of the Frisbee flying disc world championships in Pasadena. Her behind-the-back stunt is part of a 5-minute routine in women's freestyle competition. The wild-eyed canine competitor is judged on variety, technique, and execution of catches*

Ultimate Frisbee *is something like football: Two seven-man teams pass the disc down the field and score goals with catches in the end zone*

How serious can you be about a plastic flying disc?

See for yourself at the Rose Bowl championships this month. Or try some of their tricks on your own

R O. WHITELEY
ey're shooting *for par in their own game Disc Golf. You can make up a course anywhere— tee-off, curve around natural or man-made hazards, hole-out by hitting a pole or natural object*

BILL ROSS
Determined youngster *uncorks a monster throw in the distance competition at a Los Angeles schoolyard*

JERRY FREDRICK
Overhand throw *is demonstrated to a class at Lacy Park in San Marino, California. They'll also learn how to play disc games*

ding lazily from friend to friend, a flying Frisbee is a erful sign of summertime fun. For most people, it's ugh of a challenge to throw one straight or make a one-nded catch.

t there's a whole other world to the plastic, flying disc risbee" is a brand name). It includes competitive games the family-oriented Disc Golf or the rough-and-tumble ts, leaping dogs, and bizarre throws (the "upside down mb release" for instance). This month in Southern Cali-nia you can see the champs at work: From August 23 ough 27, the top players and teams from all over the ted States and nine foreign countries will gather in Pasa-a for the Fifth Annual World Championships.

re will be elimination rounds for some events at various s around town; for exact times and locations, phone the ernational Frisbee Association at (213) 287-2257. On day, August 27, competition culminates at the Rose Bowl n finals and all-star exhibitions. Parking and admission are ; events start around 12:30.

t year, over 60,000 spectators saw the full range of this esoteric sport: the crowd-pleasing canine competition (current world champ Ashley Whippet can leap 10 feet into the air for a catch); Distance Throwing (current world record is 444 feet); Freestyle Competition, in which teams of two or three display a full range of choreographed catches and throws that are judged like freestyle gymnastics; Maximum Time Aloft or MTA (soaring, 10 to 15-second throws); and three team sports—Ultimate, Guts, and Double Disc Court.

In the hands of experts, the discs come alive in a dazzling array of spinning, soaring, bouncing maneuvers that leave the backyard player forlornly self-conscious. You can learn some of their throws and games at classes (check your local park and recreation department) or from one of several books on the "art of the disc."

Regional directors of the IFA can help you find more information on local events, clubs, or how to set up demonstrations: In northern California, telephone Tom McRann (415) 854-4716; in the Northwest, Doug Newland (206) 527-0150; in the Rocky Mountain region, Rick Kovasic (303) 494-3534; in Utah, Don Blair, Jr. (801) 782-8404. □

Reg. $13.99. Save on all sizes and fourteen colors of Chico open-weave pinch-pleated draperies. Available unlined, as shown, or lined with 100% polyester semi-sheer batiste. Lined, reg. $19.99, 48 in. x 84 in. sale $17.99.

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Demi-sofa	*reg. $399.95*	*Sale $349.*
Sofa sleeper (queen size)	*reg. $599.95*	*Sale $499.*
Sleeper sectional:	*reg. $999.95*	*Sale $799.*
Wedge sofa	*reg. $477.50*	*Sale $387.*
Armless sleep-sofa	*reg. $392.45*	*Sale $322.*
Ottoman	*reg. $130.00*	*Sale $ 90.*
Sofa sectional:	*reg. $899.95*	*Sale $699.*
Wedge sofa	*reg. $477.50*	*Sale $387.*
Armless sofa	*reg. $292.45*	*Sale $222.*
Ottoman	*reg. $130.00*	*Sale $ 90.*

SALE SOFA

$399.00

Woodbrook occasional tables are constructed from solid oak and oak veneers. Smoke glass inserts have beveled edges. Coordinating wall units are all engraved wood-product and each measures 6 feet high, 30 inches wide and 16½ inches deep. Brass-finished hardware.

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Two-door wall unit	reg. $189.95	Sale $169.00
Desk wall unit	reg. $229.95	Sale $209.00
Cocktail table	reg. $159.95	Sale $139.00
End table	reg. $139.95	Sale $119.00
Lamp table	reg. $149.95	Sale $129.00
Sofa table	reg. $179.95	Sale $159.00
Bookcase end table	reg. $189.95	Sale $169.00
Drawer end table	reg. $179.95	Sale $159.00
Square cocktail table	reg. $199.95	Sale $179.00

FUNCTIONAL

SALE LAMP

$34.99

Marbleized orange glaze lamp, reg. $39.99. Straw-toned lamp seen at left, reg. $32.99, sale $29.99. Both are 27½ in. tall.

SALE SLEEPER SECTIONAL

$799.00

Save $200.00!

Large selection. Arrangement shown is made up from ten bunches.

DRIED FLOWERS **99¢** *a bunch regular price*

Loom woven with 100% acrylic yarns in a densely looped pattern. A full 46 ounces of yarn per square yard! All sizes and colors are on sale.

9 ft. x 12 ft.	reg. $349.99	Sale $299.99
6 ft. x 9 ft.	reg. $199.99	Sale $179.99
4 ft. x 6 ft.	reg. $ 99.99	Sale $ 89.99

SALE DYNASTY CONTEMPORARY RUGS

$299.99 *9 ft. x 12 ft. size*

Sale July 30 through August 19, 1978
(Most items on sale)

Available in most larger Sears retail stores. Prices and dates may vary in Alaska and Hawaii.

The Normandy Village Collection. Only at Sears

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pleasurable

SALE TABLE
$319.00

Sears "Now and Then" dining room. Save $100 on the table and 4 side chairs. On sale for $699.00.

All pieces are made from solid oak and solid pine with selected oak veneers. Table measures 66 in. x 42 in. with two 12-inch leaves. Chairs are upholstered with 100% nylon fabric, treated with SCOTCHGARD® Brand Fabric Protector.

Table	*reg. $359.95*	*Sale $319.00*
Side chair	*reg. $110.00*	*Sale $ 95.00*
Arm chair	*reg. $130.00*	*Sale $115.00*
China base	*reg. $270.00*	*Sale $229.00*
China deck	*reg. $330.00*	*Sale $270.00*

Custom made table pad
90 in. x 42 in. _____ at reg. price $ 74.95

SALE MEMOIR RUGS
$23.99
42 in. x 70 in.

Memoir fringed rugs. In five sizes from 27 in. x 45 in. to 9 ft. x 12 ft.

They're made from soft, lustrous 100% nylon pile, the most durable rug fiber. The yarn is dyed before the rug is made for deep color clarity. And the knotted 4-inch fringe gives a custom made look. Sizes up to 42 in. x 70 in. are machine washable. And Sears exclusive Dynabond™ backing is skid, peel and crack resistant.

Six lovely colors—come buy several!

42 in. x 70 in.	*reg. $29.99*	*Sale $23.99*
30 in. x 54 in.	*reg. $15.99*	*Sale $12.49*
27 in. x 45 in.	*reg. $11.99*	*Sale $ 9.99*

Sale July 30 through August 19, 1978.

Save $100 on Sears 4-piece "Now and Then" bedroom set. Inspired by Shaker country furniture, all pieces are made from solid oak and solid pine with selected oak veneers. Brass-finished hardware.

The hi-rise nightstands, stack units and lightbridge make full use of your wall space and provide an elegant frame for your magnificent fan headboard.

Bedroom set, 4 pieces	*reg. $999.95*	*Sale $899.00*
fan headboard, full/queen	*reg. $239.95*	*Sale $219.00*
triple dresser	*reg. $390.00*	*Sale $350.00*
five-drawer chest	*reg. $270.00*	*Sale $240.00*
vertical mirror	*reg. $100.00*	*Sale $ 90.00*
Lightbridge, queen size	*reg. $179.95*	*Sale $159.00*
Hi-rise nightstand	*reg. $229.95*	*Sale $199.00*
Glass door stack unit	*reg. $ 99.95*	*Sale $ 89.88*

SALE BEDROOM SET

$899.00 *4-piece set*

Save $25 on all sizes and colors of Custom quilted Enchanted Meadow bedspreads. The fabric looks like hand-painted antique satin. 68% rayon, 32% acetate. Outline quilted. Generous polyester fiberfill. Coordinating drapery fabrics are also on sale.

Save 20% on all sizes and colors of Custom Shop Enchanted Meadow woven wood shades. Just $104.00 for the 48 in. x 60 in. size.

SALE CUSTOM QUILTED BEDSPREAD

$125.00 *Full size*

MEMORABLE

The Normandy Village Collection. Only at Sears

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Sale July 30 through August 19, 1978 (Most items on sale)

Available in most larger Sears retail stores.
Prices and dates may vary in Alaska and Hawaii.

Who said eyelet has to be white? Sears Angel II eyelet comes in crisp, bright colors. 65% Kodel® polyester, 35% cotton fabric. Little or no ironing. Reg. $39.99 full size. Reg. $36.99 twin size. Pillow shams at reg. price.
SALE BEDSPREADS
$31.99 Twin size
$34.99 Full size
Sale July 30 through August 19, 1978.
Reg. $14.99. 65% Kodel® polyester 35% cotton fabric. Little or no ironing. All sizes and colors on sale.
Fashion curtain tone shown reg. $6.99. 72 in. x 24 in. sale $3.99
SALE PANEL CURTAINS
$12.99 53 in. x 84 in.
Reg. $29.99. In lots of crisp, bright colors and fascinating sizes. Deep weave ruffles. Cornets are sampled to drape beautifully. 65% Kodel® polyester, 35% cotton fabric. Machine washable. Little or no ironing.
SALE PRISCILLA CURTAINS
$26.99 [illegible]
Tranquil

printed
cotton,
$2.99
$3.99
$19.99
$24.99
$10.99
Full size
BEDSPREADS
$20.00
Twin or Full size
SALE RATTAN HEADBOARDS
$74.88
Full/Queen size
cheerful
Pinch pleated headings. Large range of sizes all at wonderful regular prices. What a nice, bright frame for the sunshine of a brand new day!
DRAPERIES
$13.00
48 in. x 84 in.
Sale July 30 through August 19, 1978
(Most items on sale)
The Normandy Village Collection. Only at
Sears

Beautiful

Sears Bentwood dinette features table and chair legs constructed from durable tubular steel painted white. Mar-resistant table top with one leaf. Padded vinyl seats. Reg. $249.95,

SALE TABLE AND 4 CHAIRS

$199.00

Creamy café curtains. 50% polyester, 50% rayon. Machine washable. All sizes on sale. 72 in. x 24 in. reg. $4.99,

SALE CURTAINS

$4.49

Strawberry Footlights Supreme carpeting. 100% Antron® II and III nylon pile, treated with SCOTCHGARD® Brand Fabric Protector. Urethane cushion back. Available at reg. price.

Linen-look placemats. 50% cotton, 50% polyester. At reg. price $2.49 each.

Sale July 30 through August 19, 1978.

Luscious strawberries and rich green leaves on a bed of cream create Sears beautiful Strawberry pattern stoneware. And Sears stoneware is durable, chip resistant and dishwasher safe. Reg. $79.99,

SALE STONEWARE

$69.99 *45-piece set*

Take off the strawberries and you have Sears Berry Band pattern stoneware. Forty-five piece set reg. $59.99, sale $49.99. Accessories at regular prices:
Mugs, set of 4. $9.99
Casseroles, set of 4. $24.99
Canisters, set of 4. $34.99
Casserole with stand. $24.99
Platter. $14.99
Ovenware, 3-piece set. $24.99

Useful

Strawberries at regular prices:
Kitchen towel. $1.89
Dishcloth. $1.19
Heat-resistant pot holder. $1.29
Quilted toaster cover. $3.49
Apron. $7.49
Quilted hot handler. $3.99
Oven mitt. $1.99

Drape your table with strawberries on a creamy tablecloth. Perma-Prest® fabric. Machine washable. Rectangle or oval shapes, 52 in. x 70 in. reg. $12.99, sale $10.39. Set of 4 dinner napkins reg. $6.99, sale $5.59.

le July 30 through August 19, 1978
(lost items on sale)

ilable in most larger Sears retail stores.
es and dates may vary in Alaska and Hawaii.

The Normandy Village Collection. Only at Sears

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Sears Grandesign bedroom. Splendidly massive, it covers your bedroom walls with restful dignity.

The tri-view mirror shows off you and your lovely bedroom from three directions.

The unique library headboard is spectacular to look at, space-saving and handy.

Every piece is made from all hardwood with a rich pecan engraved finish. For added character, all surfaces are distressed and antiqued. Brass finished hardware.

Bedroom set, 4 pieces	reg. $799.95	Sale $699.00
Headboard, full/queen	reg. $179.95	Sale $149.00
Triple dresser	reg. $273.00	Sale $240.00
Chest	reg. $232.00	Sale $205.00
Tri-view mirror	reg. $115.00	Sale $105.00

SALE BEDROOM SET

$699.00 4 pieces

Inviting

Designed exclusively for Sears by Erica Wilson, this delightful floral pattern is available in three colors.

The bedspread is made from a 50% polyester, 50% cotton Perma-Prest® fabric. Backed with nylon tricot. And filled with puffy polyester fiberfill.

All sizes are on sale. Twin reg. $29.99, full reg. $34.99,

SALE BEDSPREADS

$24.99 Twin size. **$29.99** Full size

The same Erica Wilson design, here in Perma-Prest® draperies backed with acrylic foam for added weight and insulation. Mitered corners. Three colors and many sizes are available.

Sale July 30 through August 19, 1978.

Grandeign

Sears Grandesign dining room. So magnificent! Just look at the exquisite inlaid-look pattern on the tabletop. And how nicely the chairs complement the table detail. Natural cane high back chairs with padded chair seats upholstered in beige tones.

Every piece has hardwood structural parts and a pecan engraved, distressed finish. Metal grillwork accents and brass-finished hardware.

SALE **$499.00** *Table and 4 chairs*

Table and 4 chairs	*reg. $549.95*	*Sale $499.00*
Table	*reg. $269.95*	*Sale $239.00*
Side chair	*reg. $ 70.00*	*Sale $ 65.00*
Arm chair	*reg. $ 90.00*	*Sale $ 80.00*
China base	*reg. $210.00*	*Sale $185.00*
China deck	*reg. $240.00*	*Sale $215.00*
Server	*reg. $299.95*	*Sale $269.00*
Custom made table pad (42 in. x 84 in.)		*at reg. price $59.95*

The Normandy Village Collection. Only at Sears

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Romantic

Create a private world of day dreams and sweet dreams for your daughter with bedroom furniture styled in the charming country French tradition.

A delight to the eye. And the pocketbook. All these pieces in Sears exclusive Bonnet grouping are offered at this special low price:

Three-drawer dresser reg. $119.95
Dressing table with vanity mirror reg. $119.95
Four-drawer desk reg. $119.95
Large hutch reg. $119.95
Five-drawer lingerie chest reg. $119.95
Storage chest reg. $119.95

SALE
BONNET PIECES
$99.88 *Each*

The bedroom pictured above includes other pieces which are also on sale.

The Bonnet lamp, designed to let light shine out gracefully from a dresser top, nightstand or desk, is available at regular price.

The perfect match for a romantic mood? Frosty pastel watercolors on the machine washable ruffle-edged canopy cover. Watercolors, too, on the top-quilted bouffant bedspread.

Machine washable. Reg. $39.99 full size, sale $34.99. Reg. $36.99 twin size,

SALE BEDSPREAD
$31.99 *Twin size*

Practical

Curl up and dream on this gracefully arched canopy bed. ***Canopy frame, bed and rails, included,*** *reg. $139.90 twin size,*

SALE CANOPY BED
$89.88 *Twin size*

Sale July 30 through August 19, 1978.

Romantic furniture with a practical side: all dresser, chest and desk tops are covered with laminated plastic to help resist marring, scratches and stains. Joints are securely glued then stapled or screwed into place. And the finish? Delicate. Antique white decorated with bands the color of old gold.

All pieces are treated with a five-coat finish for easy cleaning.

Three-drawer dresser reg. $119.95. Sale $99.88. Storage chest reg. $119.95, Sale $99.88.

A place for everything, and everything in its place. A description to fit the multi-shelved hutch and sturdy desk.

Solid pine, hardwoods, and lightweight fiberboard drawer fronts. Heavy-duty hardboards are specially chosen and used where they are needed most for strength, durability and support. Four-drawer desk reg. $119.95, Sale $99.88. Large hutch reg. $119.95, Sale $99.88.

SALE BONNET PIECES
$99.88 *Each*

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delightful

Wash your bathroom with the fresh and lovely Watercolor Floral pattern from Sears.

Ruffle-edged double shower draperies woven of semi-sheer 100% polyester batiste with ruffled valance and tiebacks. All machine washable. White vinyl liner included. Reg. $19.99,

SALE SHOWER DRAPERIES

$17.99

Matching window curtains available.

Gentle watercolor patterned towels in a new larger size. Looped for absorbency on one side, sheared on the other for softness. All sizes on sale. Bath towel, 24 in. x 46 in., reg. $4.99,

SALE BATH TOWELS

$3.99 *Each*

Two-toned Superplush Misty premium nylon pile bath rugs and carpeting. Bath rug, 24 in. x 36 in., reg. $7.99, sale $5.99. Carpeting, 5 ft. x 6 ft., reg. $36.99, sale $28.99.

Inspiring

Sale July 30 through August 19, 1978.

Pinch-pleated draperies. 50% cotton and 50% polyester. Foam backed. Machine washable. All sizes on sale. Reg. $19.99, 50 in. x 84 in.,

SALE DRAPERIES
$17.99

Breezy 100% polyester batiste, semi-sheer rod pocket panels. Machine washable. Little or no ironing. All sizes on sale. Reg. $5.99, 40 in. x 84 in.,

SALE PANEL CURTAINS
$5.49

Watercolors swirl across a classic ginger jar lamp. The topping? A frosty white pleated shade. Available at regular price.

Ruffle-edged pillow sham. Perma-Prest® fabric of 50% cotton and 50% polyester. Machine washable. At regular price $8.99.

Watercolor Floral Perma-Prest percale sheets. 50% combed cotton and 50% polyester. Reg. $6.49 twin size, $7.99 full size,

SALE PERCALE SHEETS
$5.49 *Twin size* **$6.99** *Full size*

Comparable values on queen and king sizes.

Fluffy reversible comforters. Perma-Prest percale cover of 50% cotton and 50% polyester. Dura-Puff® polyester fill won't lump or shift. Machine washable. Reg. $29.99 twin size, $35.99 full size,

SALE COMFORTERS
$25.99 *Twin size* **$31.99** *Full size*

Quilted throw-style bedspreads. Perma-Prest fabric of 50% cotton and 50% polyester. Puffy polyester fill. Machine washable. Reg. $26.99 twin size, $29.99 full size,

SALE BEDSPREADS
$21.99 *Twin size* **$24.99** *Full size*

Perma-Prest eyelet bed ruffles. 14-inch flounce. Woven of 50% cotton and 50% polyester. Lace trim 65% polyester and 35% cotton. Machine washable. At regular prices $15.99 twin size, $17.99 full size.

Sale July 30 through August 19, 1978
(Most items on sale)

Available in most larger Sears retail stores.
Prices and dates may vary in Alaska and Hawaii.

Sale July 30 through August 19, 1978.

Medley Garden Perma-Prest® percale sheets. 50% combed cotton, 50% polyester. Four colors. Reg. $5.49 twin size, $6.99 full size. Medley Plaid percale sheets are also on sale for the same low prices.

SALE PERCALE SHEETS

$4.49 *Twin size* **$5.99** *Full size*

Medley Garden Perma-Prest percale comforters. Cover woven of 50% cotton and 50% polyester. Dura-Puff® polyester fill won't lump or shift. Reversible to solid blue. Machine washable. Reg. $29.99 twin size, $35.99 full size,

SALE COMFORTERS

$25.99 *Twin size* **$31.99** *Full size*

Restful

Sears brings the colors of a drowsy summer sky down to earth and creates a tranquil medley of blues and whites for sheets, pillow shams, comforters and bed ruffles.

All in all, a fragrant garden of color for a peaceful earth-bound bedroom.

Medley Garden Perma-Prest bed ruffles and pillow shams. 50% cotton, 50% polyester. Bed ruffles at regular prices $15.99 twin size, $17.99 full size. Pillow sham at regular price $7.99.

Bright, beautiful 100% cotton Stained Glass towels. One side looped for absorbency, the other sheared for softness. Five color combinations. Reg. $5.99 bath size,

SALE BATH TOWELS

$4.99 *Each*

Bright and shiny. That's a 100% vinyl Stained Glass shower curtain. In five different color combinations. Reg. $9.99,

SALE SHOWER CURTAIN **$7.99**

Stained Glass meets its match with colorful furry-soft Prr-e-Soft bath rugs and carpet. 100% Dacron® polyester pile backed with cushion-grip latex. All sizes on sale. Carpet reg. $28.99, 5 ft. x 6 ft., sale $22.99. Rug reg. $5.49, 24 in. x 36 in.,

SALE BATH RUG **$3.99**

colorful

Take the bold approach and give your bathroom a brilliant new lease on life with Stained Glass from Sears.

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Sale July 30 through August 19, 1978 (Most items on sale)

Available in most larger Sears retail stores.
Prices and dates may vary in Alaska and Hawaii.

Reg. $19.99. Save on all sizes of Chico Plaid open-weave draperies. Shown here in just one of 6 great plaid color choices. Machine washable.

SALE DRAPERIES

$17.99

48 in. x 84 in.

Sale July 30 through August 19, 1978.

Save $100 on Sears Woodbrook sofa. Clean, classic lines defined with solid wood trim in a medium oak finish. Reg. $499.95.

Save $100 on a sofa sleeper version. Just $499.00 queen size.

The durable upholstery fabric is 100% Herculon® olefin, treated with SCOTCHGARD® Brand Fabric Protector. Loose side, back and seat cushions of polyurethane foam. Sturdy all wood frames. No-sag base construction.

SALE SOFA

$399.00

Save $40 on Sears Hampshire recliner. Kiln-dried, double-doweled hardwood frame. Coil spring seat for lasting comfort. Multi-position mechanism. In Herculon® olefin treated with SCOTCHGARD® Brand Fabric Protector or vinyl, as shown.

SALE WALL HUGGER® RECLINER

$199.00

HANDSOME

Save $5.00. Your choice. Solid ivory or multi-colored ceramic base.

SALE LAMP

$34.99

Sears Touch of Beauty carpeting. Wonderfully soft 100% nylon pile. 14 colors. Reg. $8.99 per sq. yd.

SALE CARPETING

$7.99

sq. yd.

Every sturdy piece in Sears Palmdale family room comes unassembled. So easy to put together—no tools needed.

The family room set includes a sofa, chair, ottoman, cocktail table and end table. All made from solid pine frames with woodgrain plastic laminated particle board table tops and arm insets. Cushions are polyurethane foam wrapped with polyester fiberfill and covered with 100% Herculon® olefin.

The "Oak Accents" étagère, bunch table and lamp table are made from solid oak with tempered smoke glass shelves and tops. Other pieces are also on sale.

Sofa	reg. $349.95	Sale $299.00
Chair	reg. $229.95	Sale $199.00
Ottoman	reg. $ 99.95	Sale $ 89.00
Cocktail table	reg. $ 99.95	Sale $ 89.00
End table	reg. $ 99.95	Sale $ 89.00
Etagère	reg. $ 99.99	Sale $ 89.99
Bunch table	reg. $ 29.99	Sale $ 24.99
Lamp table	reg. $ 49.99	Sale $ 39.99

SALE FAMILY ROOM FURNITURE

$24.99 to $299.00

Save $30 on Sears hi-back Woodbrook chair. Save $10 on its matching ottoman, sale $109.00.

The same durable construction as the sofa at left with solid wood trim, covered with 100% Herculon® olefin corduroy and treated with SCOTCHGARD® Brand Fabric Protector.

SALE CHAIR

$299.00

Casual

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Sale July 30 through August 19, 1978 (Most items on sale)

Available in most larger Sears retail stores. Prices and dates may vary in Alaska and Hawaii.

Colorado *mining country's coal-burning Silverton Train snakes its way through scenic Animas Canyon*

DON NORMARK

Vintage coach *clatters and sways, has big windows at each seat*

Narrow-gauge *line is 46-mile scenic route. Durango is 173 miles south of I-70*

Silverton fiddler *plays f passengers arriving at dep*

Colorado favorite . . . Durango to Silverton. Reserve early

Promptly at 8:30 every morning from May 27 to October 8, the bright yellow *Silverton Train*, pride of the Denver & Rio Grande Western, huffs out of the yard at Durango, Colorado, for its scenic 46-mile run up the Animas River to the old mining town of Silverton. The excursion is so popular that a second train is often put on at 9:30 to handle the overflow.

The narrow-gauge Durango-Silverton line was once part of a network of railways that laced the mining districts of western Colorado, and it's authentic down to the last spike. Locomotives are vintage coal burners and passengers ride in wooden coaches or open-air gondolas, some from the 1880s.

Leaving Durango, the *Silverton* rambles across the lush meadows of La Plata County, then gradually knuckles down for the 3,000-foot climb to historic Silverton. Soon the engine's throaty exhaust is reverberating from steep rock walls, its whistle shrilling at sheep scattered along the track.

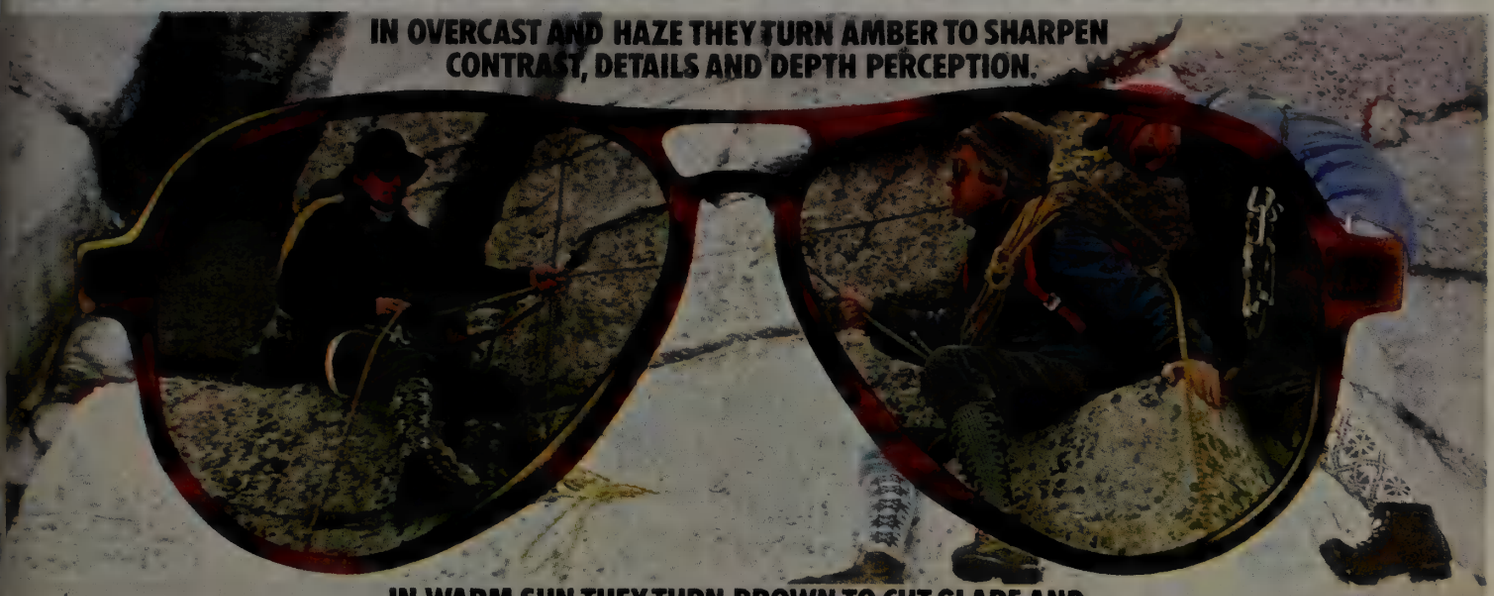
Through Animas Canyon, the train hugs a narrow rock ledge 400 feet above the river. Every now and then it stops at an isolated ranch for backpackers or fishermen. (You can stop over for a day of fishing in this otherwise inaccessible back country and return on a later train; make prior arrangements in Durango.)

The 2-hour layover in Silverton allows time for a leisurely lunch and some on-foot exploration of the old mining town, but you may find that walking even a few short blocks at the 9,318-foot elevation leaves you breathless.

You can return to Durango by the *Silverton*, arriving at 5:30 in the afternoon, or by a bus that arrives an ho earlier; when the railroad operates t 9:30 train, extra bus service is add too. The bus follows U.S. Highway 5 over 10,910-foot Molas Divide f views of the San Juan Mountains.

Round-trip fares, whether just for t train or the bus-train combination, a $12 for adults; $7.25 for children through 11; free for those under 5. T train ride is very popular, so reser seats as early as possible. Write Agent, Rio Grande Depot, Durang Colorado 81301; or telephone (303) 24 2733. List a preferred date and an alte nate; make check or money order pa able to the Rio Grande Railroad.

NEW Ray-Ban® ALL WEATHER AMBERMATICS.™
NO OTHER SUN GLASS AUTOMATICALLY DOES ALL THIS:



Note. We show you photographs actually taken through the AmberMatic lens as it responds to changing light and temperature conditions.

Ray-Ban AmberMatic Sun Glasses are a Bausch & Lomb exclu-ive. So you know they'll give you real sun glass protection when-ever you need it. They are precision ground and formulated to absorb harmful ultraviolet rays and reduce visible light for greater eye comfort. And, of course, you always get the correct degree of darkness for both eye-protection and comfort...the comfort and protection that only true Ray-Ban optical quality sun glasses can give.

In 5 styles for men and women at leading department stores, eyecare professionals and sporting goods stores. Very much a part of the growing fashion world of Bausch & Lomb.

Large metal frame — Stateside plastic frame — Caravan metal frame

Feature frame shown: Vagabond plastic frame

BAUSCH & LOMB

Eating in Tokyo

One great adventure for visitors to Japan can be the food... refined, beautiful, mysterious. Here's how to eat well and not expensively

Japan's classic cuisine is a highly refined art—wide-ranging, complex, mysterious to those who don't understand it. Getting acquainted with it can be a highlight of a trip to the Orient, even for those familiar with Japanese food available on our own West Coast.

Yet few visitors to Japan ever actually eat where and what the ordinary Japanese citizens eat. For one thing, the Japanese themselves, careful to avoid embarrassment and possible loss of face should foreigners not like their food, don't seem to encourage Westerners to adventure much (they're more apt to direct you to restaurants that cater to Western tastes). And then there are those stories about the cost. Food certainly isn't cheap in Japan, but it needn't be terribly expensive either.

Even during a typically brief Tokyo visit of two to four days, you can get a good sampling of Japan's varied cuisine, from a traditional formal meal (like the one pictured at far right), to informal favorites like sukiyaki, tempura, and economical and delicious noodle soup.

We recommend two easy-to-reach areas that you can explore on foot: the Ginza, Tokyo's downtown shopping district and a popular tourist spot, and Asakusa, an area of open markets and covered arcades where few tourists go except to see Kannon Temple. In both places you can shop, eat, and see an interesting cross section of Japanese life.

Finding your way in Tokyo can be a problem, since most street names are written only in Japanese and there are no numbered addresses (even taxi drivers don't always know the most direct routes). But our simplified maps of these two shopping areas on page 67, along with directions for getting around Tokyo

Noodle shop
Towada noodle shop in Asakusa makes hot soups with its own fresh soba (buckwheat) noodles—a delicious lunch that's hearty, economical. Eat noodles with chopsticks, sip the rich broth

Yakitori sticks
You pay by the stick for succulent morsels of barbecued chicken at yakitori restaurants and street stands. They make a satisfying lunch or snack

Kaminarimon gate *to Kannon Temple is an Asakusa landmark. It leads to a large area of shops, covered arcades, and restaurants*

Sukiyaki One of Tokyo's oldest sukiyaki restaurants, Imahan in Asakusa, specializes in dishes made with Japan's pampered beef, cooked for you at the table

Formal lunch

ormal lunch at Hotel Okura's Yamazato restaurant is n intricate mix of food flavors, colors, and textures esigned to please both eye and palate. Tradition dictates ach item, the shape of its dish, arrangement on the able. Savor it one bite at a time, ending the meal with rice

DARROW M. WATT

Cooked vegetables: lotus root, pod peas, Japanese pumpkin, and others

Miso soup: made from soy bean paste, cubes of tofu

Salt-pickled vegetables

Broiled fish: Yellowtail teriyaki, rolled kombu, marinated white radish

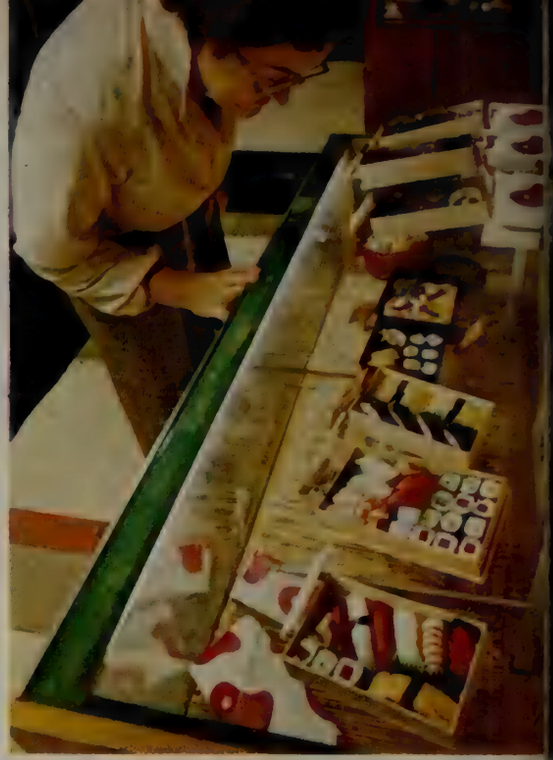
Steamed rice

Sashimi: assorted raw fish, condiments, chrysanthemum, shiso leaf with soy dipping sauce

Clear soup: whole clams with sliced fish cake, sansho leaf

Appetizers: smoked salmon as a rose, mustard flower, shaved dry bonito

DARROW M. WATT



It's hard to choose *between boxed sushi selections. Wrapped, with chopsticks, they're Japan's answer to travel lunches. Take on a picnic or to your hotel*

They look *good enough to eat, but these are wax models of dishes served at Mitsukoshi department store restaurant*

Packaging *is beautiful, even in markets. Shown are slightly salted sardines ready to broil, and fresh green onions*

Japan's idea *of convenience foods takes many forms. Here are fried fish cakes and balls, ready to serve as is or heat with vegetables. They're available in department store basement markets for 14 to 67 cents*

/ subway should make you feel better ·epared to face the unknown.

unique food tradition

ıpanese cuisine today is a delightful ·ix of ancient tradition and more recent novations. For centuries, rice was Ja-ın's diet staple, accompanied by fish or :getable dishes eaten raw or lightly ›oked and simply seasoned. Meals were tended to be aesthetically pleasing as ell as nutritious. Foods were chosen to flect the seasons, carefully cut, and ıinstakingly arranged.

ıe practice of frying shrimp, fish, and :getables with batter coatings, called *mpura,* arrived with Portuguese trad-s in the 16th century. About 100 years ;o, when Japan reopened its doors to e world after 250 years of self-imposed ›lation, beef, other meats, and many ·w foreign foods appeared. Adding eat to traditional vegetable dishes pro-ıced the now-popular *sukiyaki.*

·isplaying realistic wax models in res-urant windows like a 3-dimensional enu also originated during this period reawakening. Although they're a boon tourists now, they were originally in-nded to introduce strange new Western shes to the Japanese.

›oking steak and other foods on a grill front of guests started in Korea, then came popular in America, and is only ›w catching on in Japan, where it's lled *teppanyaki.*

›ods from around the world are avail-le in Japan today, but the Japanese ven't hesitated to alter them to suit eir own tastes—often resulting in some lightful differences. For example, ıen Japanese chefs make Italian pasta d pizza, the dough turns out lighter, e sauce more delicately seasoned.

›kyo dining adventure

ıe publishers of one of Japan's prin-›al consumer magazines, *Kurashi no cho,* assisted *Sunset's* food editor in eparing the sampling of Japanese cui-ıe that follows.

ıce the Japanese seldom eat breakfast t, few restaurants other than hotel and in station coffee shops open before A.M. Try pancakes for breakfast the y the coffee shops make them—light d cakelike.

r lunch or a light supper, you can dine xpensively on *yakitori,* noodles in ıp, or *donburi;* buy a box lunch with *hi* at a department store for a picnic or to eat in your hotel room; or spend a bit more and have *tempura* or *sushi* at a special restaurant.

For your main meal, midday or evening, splurge on a classic Japanese dinner, or have *sukiyaki, mizutaki,* or *shabu-shabu.* Or if your budget is tight, try one of the inexpensive restaurants called *shokudo* which display wax models of their specialties. The dinner hour in Japan is early, around 6 to 7:30, with restaurants closing around 9 or 9:30.

Do carry *yen* when you go out to eat, as dollar travelers checks are difficult to cash except in hotels and banks. There's no tipping in restaurants, but in all except inexpensive restaurants not catering to tourists, expect a 10 percent tax and a 10 to 15 percent service charge added to the bill.

The traditional restaurant. No trip to Japan is complete without a formal Japanese meal, called *kaiseki ryori*—shown on page 63. But choose the time and place carefully, for it should be unhurried and in a traditional setting—ideally a Japanese inn (*ryokan*), or an exclusive (private) restaurant, if you're invited. Otherwise, two fine classic restaurants in Tokyo are Isecho in the Imperial Hotel, and Yamazato at Hotel Okura. At both you can dine at a low table in an authentic tatami-mat room.

While it's not uncommon for such a meal to cost $100 per person at an exclusive restaurant, our meals (including the one pictured on page 63) at both hotels were in the $20 to $25 range (although the yen's value has gone up somewhat since then). Served either as a midday or evening meal the *kaiseki ryori* is generally less elaborate and less expensive at midday.

Noodle shops. The best make their own fresh *udon* (wheat) and *soba* (buckwheat) noodles. At Towada, a restaurant in Asakusa (see map on page 67), you can watch the noodles being made in the shop window. Their specialties include hot soups topped with shrimp, chicken, other meats, egg, and vegetables, and the classic cold soba noodle dish served on a bamboo tray. Prices range from $1.80 to $4. You'll hear loud slurping sounds around you, for the way to eat these hot soups is to lift the noodles out with chopsticks, slurping to cool them as they're eaten. Lift the bowl to your mouth to sip the broth.

Tempura restaurants. Specializing in fried, batter-coated shellfish, fish, and vegetables, these restaurants are usually small with a single counter and a few tables. If you sit at the counter, the chef serves each morsel onto a plate in front of you. At a table, you order a selection from the menu. Thin dipping sauce and grated *daikon* (white radish) are served with the meal; you add the daikon to the sauce to taste. This meal, served with rice, soup, and pickled vegetables, costs about $20 at hotel tempura bars, considerably less at Daikokuya in Asakusa.

Sushi bars. These small shops usually have a single, well-scrubbed wood counter and a few tables. They serve only *sushi*—rice prepared in a special way—topped with your choice of (usually raw) fish, shellfish, egg, or vegetables.

If you sit at the counter, you can point to toppings you want and watch them being prepared. But prices for choice morsels might shock you; a red tuna order—2 pieces—might be $4.

A better idea for novices is to sit at a table and order from the menu. You'll be served a selection of sushi in a lacquered box at a fixed price—$12 and up at hotel sushi bars. Or you can buy a similar box lunch at a department store for $5 or less.

Yakitori restaurants. These serve skewered, bite-sized pieces of chicken (sometimes with leeks, ginkgo nuts, or quail eggs) basted with sauce and grilled over charcoal. Small restaurants, such as Sawamasa in Asakusa, offer lunches of yakitori, rice, and soup for about $3. At street stands, you pay about 80 cents each stick. À la carte in a traditional restaurant, yakitori might be $4.50.

Sukiyaki restaurants. They often serve other meat dishes cooked at your table, too, such as *mizutaki* (chicken, vegetables, and noodles), and *shabu-shabu*

Tokyo food adventure:
Window-shop and restaurant-shop.
Look closely in the markets

The noren *(slitted short curtain) at doorway indicates this yakitori restaurant is open*

(beef and vegetables), both cooked in broth and served with sauces. Sukiyaki is served with raw eggs as a dipping sauce. Most of these restaurants are expensive, featuring pampered Japanese beef from Omi, Matsuzaka, or Kobe.

Our choice for sukiyaki was a small, unpretentious restaurant in Asakusa called Imahan (see map on opposite page). It's old and highly respected by the Japanese, but relatively unknown by tourists. Our Omi beef sukiyaki dinners were about $15 each.

Shokudo. These are inexpensive restaurants serving a mixture of dishes—Japanese (usually with rice), Chinese (with noodles), and Western. You can study the wax models before you enter. Sometimes the models are numbered, but if necessary you can bring the waiter outside and point to your selection. Department store restaurants are of this type. You'll also discover many small restaurants like this in the Asakusa district.

Some Japanese dishes you might try at this type of restaurant: *donburi* (steamed rice topped with such tidbits as cooked egg, chicken, shrimp tempura), *tonkatsu* (breaded and fried pork cutlet), and *unagi* (charcoal-broiled eel). Meals like these are usually under $4.

Restaurant etiquette

You will become very aware of your feet in Japan; try to bring shoes without laces that are easy to slip on and off. Traditional houses, inns (ryokan), and some restaurants have a stone step at the entry where you leave your shoes before entering (it is customary for men to go first). Your slippers will be on the polished wood or carpeted floor above.

When you're shown to your room (for eating or sleeping) leave your slippers at the door and step onto the tatami mat in stocking feet. The room will have a small, slightly raised alcove (*tokonoma*), usually containing a scroll and flower arrangement (it's not for your purse or baggage). A guest of honor is always seated directly in front of the tokonoma. If you should be seated in that position, remember it is the honored guest, not the host, who first begins eating.

The maid or waitress brings tea fi drinks (if desired) and your meal foll Men are served first, then women, the host last.

On your own in Tokyo

Street crimes in Tokyo are virtu unknown. Most Japanese are willing help strangers, but few speak Engli School children can often read sim English words written in block lett and enjoy helping visitors.

People from all walks of life get to from work via Tokyo's efficient subw system, so naturally it's crowded dur rush hours. If you avoid traveling tween 8 and 10 A.M. and 4:30 and 6 P.M., the subway can be a pleasant w to get around—faster, more reliable, less expensive than taxis. Our simplif map at right shows only one of ei subway lines that criss-cross the c You can get detailed subway maps hotel information desks.

We suggest becoming familiar with Ginza line first. It connects the Gi and Asakusa districts—two interest areas to explore on foot—and is wit walking distance of some of Toky principal hotels.

Before leaving your hotel, get directi to the nearest subway stop (always ca

The shoes-on-and-off etiquette: It's a charming game if you know how to play

1 • *Exchange of bows welcomes you to inn or restaurant. Step up onto kutsunugi-ishi (shoe-taking-off stone)*

DARROW M. WATT

2 • *Slip your shoes off on the stone and step into slippers; the houseboy will care for your shoes*

3 • *Leave slippers at the door to your room; never walk on tatam mat floors with shoes or slippers*

4 • *Exchange bows again when the maid or waitress enters to serve you. Tea is served first*

5 • *Sliding panels open to garden; clog slippers outside indicate you're welcome to take a walk*

6 • *When you leave, a wood block is placed on step for you to step on while putting on the first shoe*

ne name of your destination and hotel vritten in Japanese). When you arrive at ne subway, be sure it's the line you want nd the correct entrance for the direc-on you'll be traveling. The colors on ıbway maps correspond to station, ain, and ticket colors for each line.

o get your ticket, go to one of the ending machines. Use your subway nap (in English) to count the stops from vhere you are to your destination. On ne diagram (in Japanese) over the ma-hine, locate your destination by count-ng a corresponding number of stops; ne circled figures are fares in yen. In-ert coins and push the button for the orrect fare; your ticket and any change vill be dispensed at the bottom.

Don't worry about making a mistake; cket takers at each station can collect ny additional fare needed. Your ticket vill be punched at the turnstile, then ollected as you exit.

Remember that in Japan, cars, trains, nd people keep to the left. Each station clearly marked in English, with arrows ndicating the next stop in either direc-on. Subway doors are automatic and lose quickly. Once under way, you'll nd subway maps in English posted in ne coaches.

Ginza department stores. Explore one of these fabulous stores and you're likely to find art shows, displays of regional produce and industry, a wedding hall, craft exhibits, children's play areas, theaters, live entertainment, restaurants, food markets—all in addition to the usual department store wares. If you've only time for one, head for Matsuzakaya or Matsuya in the Ginza district, or Mitsukoshi, the third subway stop beyond Ginza in the direction of Asakusa, where you can exit directly into the basement of the store (Mitsukoshi also has a much smaller store in Ginza).

Information booths inside the main entrances have store guides in English, and English-speaking clerks generally wear identifying badges. For the convenience of their customers, the stores provide a variety of inexpensive restaurants, offering what may be the best food buys for their quality and price in all of Tokyo.

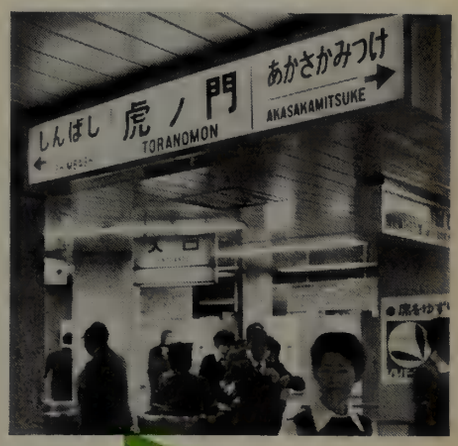
All department stores close one day a week, but not all on the same day. They're usually open from 10 A.M. to 6 or 6:30 P.M., including Sundays.

Asakusa. About 20 minutes by subway from the Ginza, this core of old Tokyo grew up around Kannon Temple. The temple site, headquarters of the Sho-Kannon sect of Buddhism, is said to date from the seventh century. The main hall of the present temple dates from 1651; the rest, burned in World War II, has been restored.

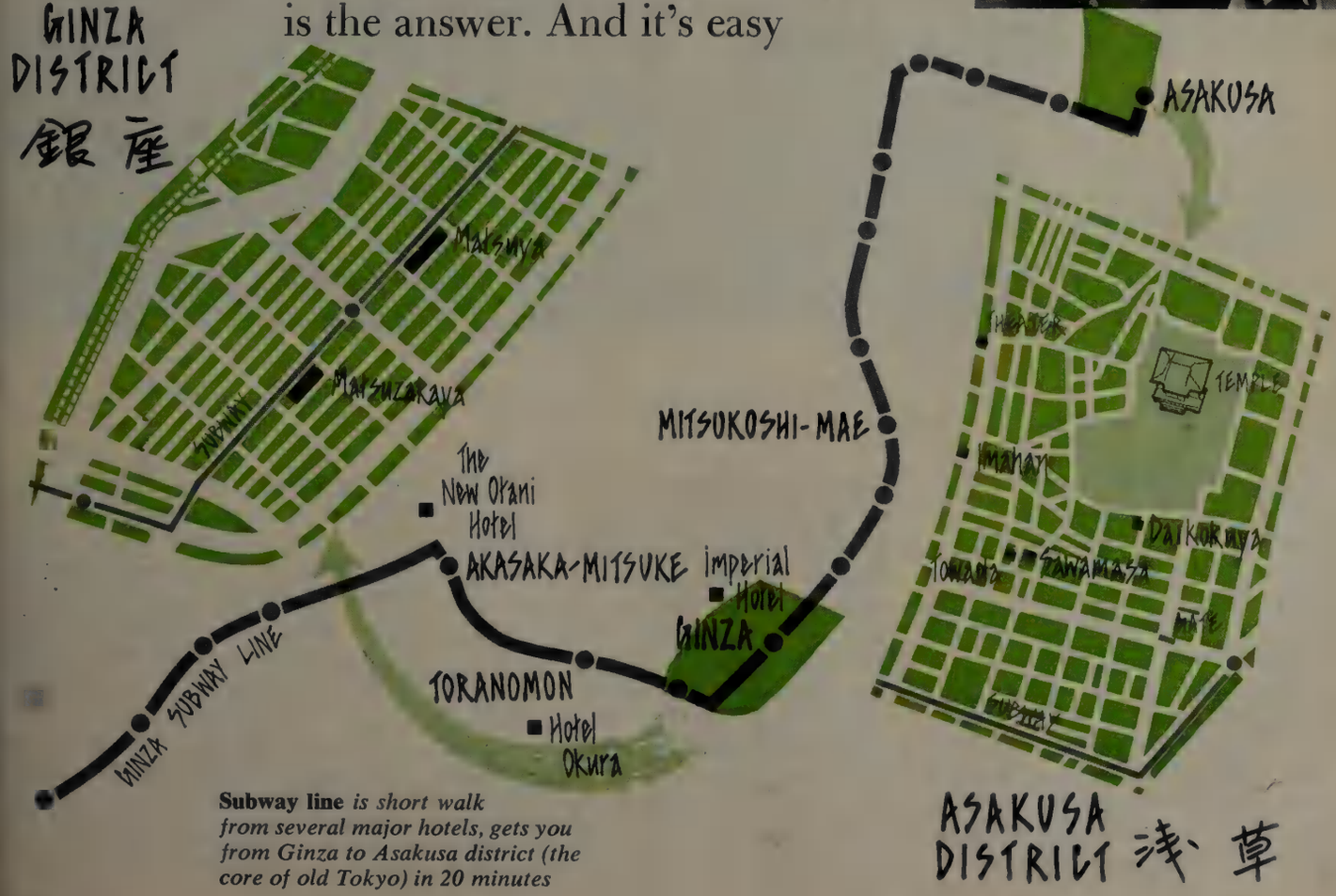
When you leave the subway at Asakusa (last stop on the Ginza line), follow exit signs to Kannon Temple, then look for Kaminarimon gate with its huge paper lantern hanging in the center (see photograph on page 63). The shopping area (called Nakamise) is on either side of a promenade lined with souvenir shops leading to the temple grounds.

Asakusa is a small town in itself. You'll find theaters, regional food specialties like bean cakes and crackers (you can watch some of them being made), all kinds of shops, and fine restaurants, most of them inexpensive. We've marked four outstanding restaurants on the Asakusa map below. □

Station names *are in English, too. Tickets are punched at entrance*



Getting around Tokyo and not getting lost. The subway is the answer. And it's easy



Subway line *is short walk from several major hotels, gets you from Ginza to Asakusa district (the core of old Tokyo) in 20 minutes*

Santa Ana garden with a past

Old driveway... new patio. Old lawn... new entry garden

OWEN HINTZ

Stucco wall creates private front garden

Before new wall (above), front yard was all grass from house to street. Behind the new wall (built to match stucco house), there's a private entry garden. Dichondra has replaced the front lawn's grass, and an evergreen blood-red trumpet vine (Phaedranthus buccinatorius) climbs the wall

The subtropically lush, trellis-shaded patio you see here and on the cover was once a long, narrow, impossible-to-back-out-of driveway. It ran down the side of this Santa Ana house's lot from the street to a small, one-car garage in back (shown upper right, facing page).

Remodeling started three years ago. First came demolition of the concrete ribbons that formed the drive. Then a wall was built across the front of the house (see photograph above) to create an enclosed entry garden and privacy for the sideyard's new concrete patio. (Check local building codes before tackling any similar structural project.)

Although there was space for outdoor living in the back yard, the driveway seemed the most desirable area to develop: The kitchen door opened out to it, and the living room looked onto it. French doors are now being installed to link the living room with the new patio.

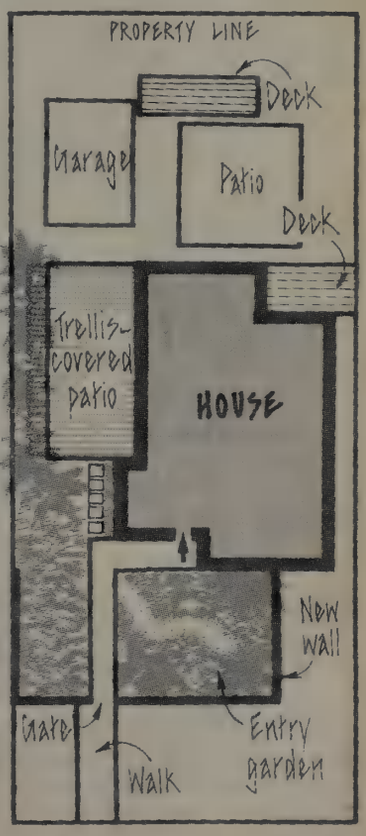
Owner Owen Hintz is a landscape designer with a passion for tree ferns and palms, and in his mild Southern California climate he can grow both with relative ease. But the plants do like some shade and wind protection; the shade maker here is a 13 by 30-foot-long 11½-foot-high trellis that seemingly floats over the new concrete patio and beyond to shelter a bed where 14 Australian tree ferns (*Alsophila cooperi*) grow to perfection. Also underneath are plants that enjoy filtered sun, such as clivia and mother fern (*Asplenium bulbiferum*). (In western Washington and Oregon you could achieve a lacy tree fern look with vine maples or Japanese maples.)

The trellis is supported on one side by

GLENN CHRISTIANSEN

Old driveway becomes a shade garden

Instead of a driveway (old garage in back is now used for storage), side yard is now a cool forest of tree ferns. New walkway (shown at left) leads through gate in the wall, then between palms, cycads, and a carpeting ground cover of ophiopogon, and ends at trellis-covered patio



e house and on the other by pairs of by 6's holding aloft a frame of 2 by 6's. ross the frame, 1 by 2's set on edge d spaced 2 inches apart provide shade. x O'Neal designed the trellis; materials for it cost $460 in 1974. The conte patio, stepping pads (note their location on the plan), and entry walk with ck paver dividers cost $650.

espite the garden's exotic appearance, needs little maintenance. *Ophiopogon onicus*, a delicate-looking but tough ound cover, gets whacked back every ring to keep it fresh-looking, and baby's tears (*Soleirolia soleirolii*) just spreads out wherever it wants to. The tree ferns, planted from 1, 5, and 7-gallon containers four years ago, have tripled in size; the largest is now 12 feet.

An automatic sprinkler system keeps this patio-garden lush. It waters for about 20 minutes every other day or daily when it's hot. The tree ferns—fronds and trunk—get an extra hosing down on very hot and/or windy days. Old fronds are cut off. All the plants are fed in early spring, summer, and fall with a balanced commercial fertilizer. □

1 · *Cornbread batter is perked up with green chiles and whole kernel corn, then spooned into Dutch oven—while coals heat up in the firepit*

2 · *Three smooth, fairly uniform-sized stones—placed over heat-reflecting foil—will hold the oven up over hot coals during baking*

3 · *Six glowing coals are positioned below and slightly under oven at its outside edge; ringed around the lid, 12 more coals make it bake at 350°–375°*

Hot Dutch oven bread in camp

You need 18 to 20 hot charcoal briquets, an hour's time, and out comes fragrance

An ordinary cast-iron Dutch oven, some large stones, and hot coals are all you need for a simple oven that will bake bread in a campground firepit.

Once set up, the oven bakes at 350° to 375° for up to an hour, so it's easy to turn out sure-to-please quick breads, cakes, and biscuits. Our recipes make use of packaged mixes, which are easy to pack along to camp.

It's simplest to use a flat-lidded, 10 to 12-inch Dutch oven with legs; this type is available in some surplus, camp equipment, or hardware stores. But any 10 to 12-inch cast-iron Dutch oven will work as well; you just rest it over the coals on three 2-inch-high stones. If your Dutch oven doesn't have a flat cast-iron lid, you can buy an aluminum one in a restaurant-supply store.

How to set up the oven

Place a large piece of heavy foil, shiny side down, on a level surface in a firepit or in the bottom of a barbecue. If you're using the firepit to cook other things at the same time, clear a large (about 10-feet in diameter) surface near the firepit; place foil in the center with the 3 stones on top. We suggest that you always check with a ranger before using coals outside a firepit.

Light 18 whole, long-burning charcoal briquets on one side of the firepit and let them burn until fully ignited, about 20 minutes. (If it's a cool, gusty day, increase the number of briquets to 20; shelter the oven as much as possible to prevent uneven baking.)

Meanwhile, prepare batter as directed below, pour into Dutch oven, and cover.

When the coals are hot, set oven on stones over the foil. Arrange coals at the base of the oven and on its lid, as shown in step 3 above. Be sure that the coals below the oven are not too far underneath it, or the oven's center will be too hot. Once the oven is set up, it's a good idea to blow accumulating ashes off its lid several times during the baking process.

After the baking's done, be sure to return coals and the foil to the firepit.

Our camp-oven recipes

The following recipes will get you started on Dutch oven baking. All of them use packaged mixes and are easy to put to gether in camp. When possible, we ind cate what preparation can be done ahea so life outdoors can be even easier.

Chile-Corn Bread. Prepare 1 large pack age (about 16 oz.) corn muffin mix ac cording to directions on package; the stir in 1 small can (4 oz.) diced Califor nia green chiles and 1 small can (abou 7 oz.) whole kernel corn, drained. Pou batter into a well-greased Dutch over cover, and set in firepit. Bake until edge are golden and bread begins to pull awa from sides of oven—about 40 minutes Makes 6 to 8 servings.

Camp Coffee Cake. Combine ½ cu packed brown sugar, 2 teaspoons groun cinnamon, and ½ cup chopped nuts o granola-type cereal (these ingredient may be combined ahead and stored in plastic bag). Just before using, stir in tablespoons softened butter or margarin to form a moist crumb mixture.

Stir together 2 cups baking mix (biscui mix), 2 tablespoons sugar, 1 egg, and ⅔ cup milk and spoon half into a grease Dutch oven; top with half of the suga mixture; repeat with remaining batte

Lift the lid very carefully but as quickly as possible to check for doneness about halfway through baking time; then check about every 10 minutes

Rave reviews *for this first-time Dutch-oven baker: his freshly-baked, steaming-warm, camp-cooked cornbread has a wonderful aroma*

DARROW M. WATT

ıd sugar mixture to form a second yer. Cover oven and set in firepit; bake ıtil cake begins to pull away from sides oven—about 40 minutes. Makes ›out 6 servings.

rudel-Topped Gingerbread. Combine cup packed brown sugar, 2 table-oons all-purpose flour, 2 teaspoons ound cinnamon, ½ teaspoon ground ıtmeg, and ½ cup chopped nuts (these gredients may be combined ahead and ›red in a plastic bag).

epare 1 package (about 15 oz.) ginger-ead mix according to directions on ›x; if desired, omit ¾ cup of the liquid lled for and add 1 small can (about oz.) applesauce and ½ teaspoon *each* ound cinnamon and nutmeg. Pour bat-r into a well-greased Dutch oven.

ıth a fork, stir 2 tablespoons softened ıtter or margarine into brown sugar ıxture and sprinkle over gingerbread tter. Cover oven and set in firepit. ıke until center of cake springs back ıen lightly touched—about 40 min-es. Makes 6 to 8 servings.

ıcon or Cheese Biscuits. Add 2 tea-oons instant minced onion to 2 cups king mix (biscuit mix). Next, add either 4 or 5 slices bacon (cooked until crisp, then crumbled) *or* ½ cup (about ⅛ lb.) shredded Swiss or Cheddar cheese. With a fork, stir in ⅔ cup milk just until blended.

Drop dough by heaping tablespoonfuls, evenly spaced, into a greased Dutch oven; cover and set in firepit. Bake as directed until golden—about 30 minutes. Makes 8 to 10 biscuits.

Adapting your own recipes

If you want to try using some of your own recipes for baking in a camp oven, we suggest following these guidelines:

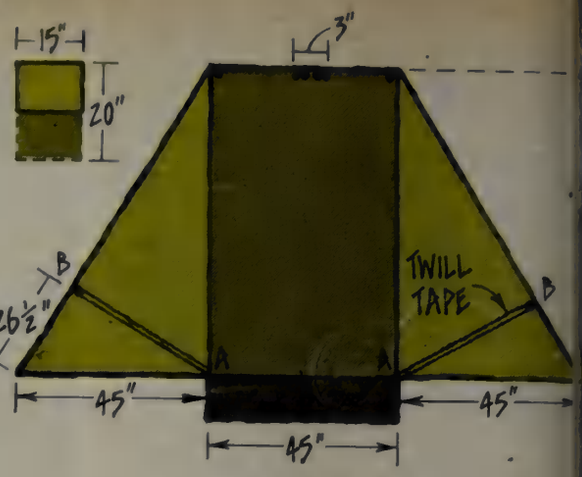
Choose recipes with baking temperatures of 350° to 375°.

The quantity of batter or dough should not be more than half the volume of the Dutch oven; otherwise, when the batter rises it may touch the hot lid and get scorched. The amount of cake batter for one 8 to 9-inch layer is about right.

To estimate baking time in camp, add about 10 minutes (the time it takes for the Dutch oven to heat) to the time given in the recipe. □

How to fluster the blusters

Our windscreens are also sunscreens. Easy to make, almost blow-away proof



For tent-shaped windscreen, *you'll nee 6 yards of 45-inch-wide nylon (2½ yar of one color, 3½ yards of a contrasti color); 17 yards of 1¼-inch tw tape; 4 pieces of thick-walled 1-in PVC pipe, each 18 inches long; 4 PV coupling sleeves; metal eyel*

To form point *of tent screen, pull do corners of rectangle, thread craft co through eyelets and secure to po Long cord runs to sandb*

Shivers turn to sighs when you lie down behind a windscreen on a sunny but blustery day at the beach. The two colorful ones shown here are lightweight (each weighs less than 3 pounds) but are hard to topple since they're anchored by built-in pockets you fill with sand.

The patterns for the screens are surprisingly simple: rectangles flanked by right triangles. They're held upright by lightweight tubing and steadied by small sandbags that are roped to the corners and poles. When it's time to leave for home, you just empty the sand from the bags, break down the poles, and roll everything up into one of the built-in pockets.

Both the tent-shaped and flat-backed windscreens are made of nylon available in a wide range of colors at most fabric stores for prices starting about $1.50 per yard. You could also use some of the sturdier—but more expensive—rip-stop nylon sold at some surplus and mountaineering stores.

The flat-backed windscreen

The wall of this windscreen is one 4-yard-long piece of 45-inch-wide fabric. At 36-inch intervals, draw light pencil lines across the width of the fabric, dividing it into four rectangles. Cut the two end rectangles in half diagonally and save extra material to make sandbags.

Reinforce the perimeter of the windscreen with twill tape. With edges flush, sew tape to fabric, stitching ¼-inch from the edge. Then fold tape in half (sandwiching fabric in between), iron it flat, and topstitch.

Make pole casings by folding the fabric along the pencil lines, right sides together. Sew a seam about 1½ inches from each fold, making three narrow casings on the back side of the screen. To prevent the poles from popping out, close the top of each casing with a tab made from a 4-inch-long piece of twill tape folded in half. Slip ends of tab 1 inch into casing and sew closed.

To make the bags, cut two 20 by 36-inch pieces of fabric and reinforce the longer edges with twill tape. Next, fold each piece in half lengthwise, with right sides together. Sew a seam along the two short sides, 1 inch from the edge; turn bag right-side out. At the mouth of the bag, stitch bottom edge to the back of the windscreen at its base, so the bag can be filled with sand (see lower right photograph on opposite page).

Make five small bags from the remaining fabric. Starting with 15 by 20-inch pieces, reinforce short edges with twill tape, fold in half, and sew short sides together.

Attach a metal eyelet (you'll need an eyelet setter) in each of 5 positions indicated on drawing at right, and in top edge of the five bags.

Each 54-inch-long pole is made from two pieces of pre-cut tubing. A copper sleeve glued to the bottom piece joins the two sections together.

The tent-shaped windscreen

For people who burn easily, this windscreen is also a good sunscreen.

Start by cutting one 45 by 72-inch rectangle from each color of fabric. Cut one of the rectangles in half diagonally; sew the resulting two triangles to the rectangle as shown in the sketch. Reinforce the perimeter with twill tape.

On the wrong side of each triangular panel, sew a strip of twill tape from point A to point B (see sketch). When the windscreen is assembled, the fabric below this strip is covered with loose sand to anchor the panel.

For the built-in pockets, make a long bag from two 10 by 45-inch pieces of different color fabric. Sew twill tape to one long side of both pieces. Then, with right sides together, sew the other three sides of the bag. Turn it right-side out and sew it to the base of the rectangle along one twill-taped-lined edge. (Be sure it can be filled with sand from above.) To complete the bag, divide it two with a seam down the middle. Wh you roll the tent up, it stores in o section.

Make three small bags from the remai ing fabric, starting with pieces 15 by inches. Attach an eyelet to each bag a to the eight points shown in the sketch

For the ridgepole, glue one coupli onto each piece of PVC pipe. Wed and glue a small cube of wood inside t one coupling that will become the top pole. From opposite sides, screw 1½ inch hooks through coupling into woo

To assemble, push pole into sand. At t screen's top center edge, catch the out two eyelets over the pole hooks, a thread the inner two with craft cor Attach one small bag to the end of t cord, and one to each side panel eyel at points B.

3 • *Dip prepared cutting in rooting hormone powder, tap off excess, then insert in pots filled with rooting mix*

DARROW M. WATT

4 • *Instant greenhouse: If cuttings begin to wilt, slip pots into plastic food bag, blow it up, twist and tie*

For many gardeners, nothing beats the satisfaction of raising plants from mere "slips" or cuttings. For novices and old-timers alike, it's a simple and inexpensive way to create more perennials, shrubs, ground covers, and vines—especially rare kinds that are hard to find. Now's a good time to start cuttings because summer's new growth roots readily and warm weather helps them along.

The following plants will root fairly easily from cuttings (if you've never tried taking cuttings before, choose the starred plants—they're almost foolproof): abelia, abutilon, African daisy, azalea, florous begonia, beloperone, perennial candytuft, ceanothus, *chrysanthemum (includes marguerite), *cissus (grape ivy), *coleus, *dianthus (carnations, pinks), *fatsia, *fuchsia, gardenia, heliotrope, hibiscus, holly, honeysuckle, *hydrangea, impatiens, *ivy, jasmine, lantana, lavender, *oleander, pachysandra, pelargonium (geraniums), penstemon, plumbago, privet, rose (species), *sedum, verbena, vinca, wisteria.

Take cuttings near tips of stems or branches. Look for well-developed side shoots: weak, spindly, or woody stems won't do well. Keep cuttings moist in a plastic bag with a few drops of water in it; they shouldn't dry out. Plants with succulent stems, such as geraniums and sedum, are an exception. After cutting, set them aside in a shady spot until stem ends form a crust—geraniums for a few hours, succulents for a few days.

For your rooting medium, mix three parts perlite and one part peat moss with enough water to moisten. Fill containers and set aside.

Next, prepare cuttings much the same way you trim broccoli for cooking (see photograph #2). Using a sharp blade or snippers, cut sprigs 3 to 6 inches long with three or four leaf nodes on them. Cut at an angle just below a node.

Strip leaves from the lower half of stems so that two or three nodes are exposed. Remove blossoms or buds and pinch out the growing tip. (You can also trim down any large leaves that may wilt or rot.)

Many easy-to-root plants don't need rooting hormone, but it helps develop a heavier root system and speeds rooting on less vigorous cuttings. Apply lightly around the nodes and tap off excess.

Poke holes in the rooting mix, insert cuttings two or three nodes deep, then tamp the mix firmly around them. Label pot with plant's name and the date, water thoroughly, and set in a lighted spot out of direct sun—under a tree or by your kitchen sink.

Keep potted cuttings moist but not soggy. All but geraniums and succulents will appreciate a daily misting, or you can maintain humidity by covering with plastic or an overturned glass jar. Uncover or lift an edge every few days to let air circulate and remove leaves or cuttings that show signs of rot.

The easiest cuttings may develop roots 1 to 2 inches long within a week or two. Others may take four to six weeks to root firmly. Check by pulling gently on stems—they'll feel anchored when roots have developed. At that point, gently lift cuttings from the growing medium and transplant into individual containers filled with potting soil. Vitamin B_1 added to the first watering helps ease the transition. □

Beginners can choose *from a number of easy-to-root garden plants, like geranium, oleander, and marguerite. Here's what they look like cut, trimmed, and ready to go*

Lightweight fishing gear *on their backs, day-hikers climb out of forested valley, reach high lake to try their luck at hooking mountain trout*

Feather-light tackle for backpacker fishermen

Rod, reel, vest, even net ... weigh only ounces

Reeling in a spunky mountain trout can add just one more thrill to a high country hiking trip. But who wants to bring along a lot of fishing gear when your backpack already weighs plenty?

That's where today's lightweight, compact fishing tackle designed for backpackers comes in. With a minimum of equipment and a few simplified techniques in mind, you're ready to try your luck next time you go day hiking or backpacking.

Now through September can be the best time of year to fish most of the West's high-mountain lakes and headwater streams. You can get specific help on locations from tackle shops, the U.S. Forest service, guidebooks, and fish plant records at state departments of game.

The new tackle ... lightweight, compact

Backpackers can assemble a high country fishing kit that adds no more than 3 pounds to their loads, and fits neatly into a day or overnight pack. Tackle manufacturers sell break-down trail rods with durable cases that weigh only ounces ($15 up). Simple spinning reels weigh a half pound or less ($10 up). Feather-light fishing vests fashioned partly from fine-mesh material similar to mosquito netting ($15 up) can hold essential tackle and tools.

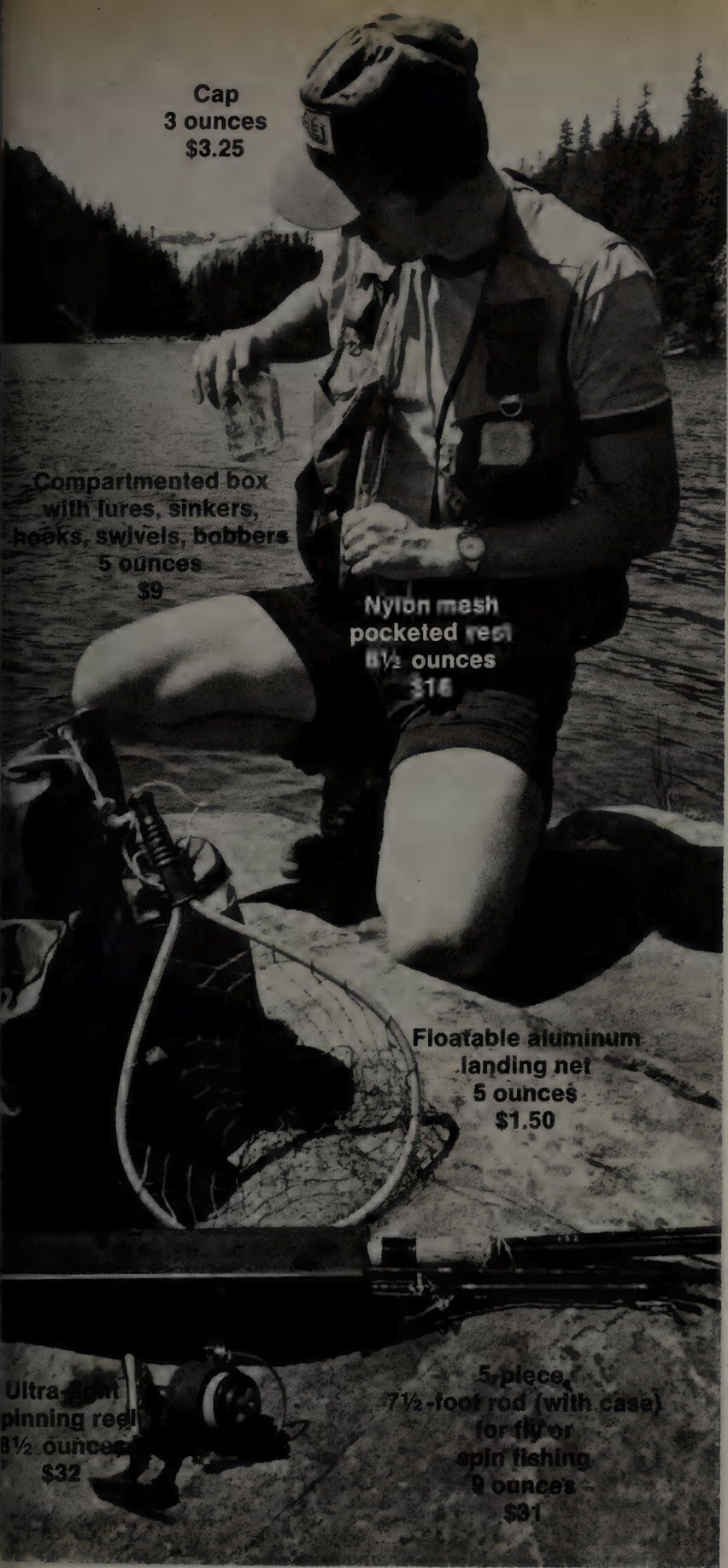
Even a small vest will carry a lightweight folding knife for cleaning fish; leaders and extra line; sinkers, bobbers, and casting bubbles; a small needle-nose plier for crimping lead sinkers to your line; fingernail clippers for trimming knots; a spare reel spool; a plastic sack for packing out fish (some experts advise using a lightweight mesh creel instead—fish can spoil quickly in plastic); a pair of polarizing sunglasses to minimize reflections from sun-struck lakes (a baseball-style cap or wide-brim hat—one that can be folded—can also be worn to cut overhead glare).

Into your vest you can also slip small, compartmented clear plastic boxes for lures, flies, swivels, sinkers, spare hooks, and the like. At least one manufacturer makes a "high lakes kit," a simple box with an assortment of almost all these small but essential items. An empty plastic 35-mm film can is perfect for carrying salmon eggs or other bait; these containers are much lighter than glass jars used for packing eggs, and they're virtually leakproof.

If you expect to catch larger fish (a pound or better), carry a lightweight landing net—some fold for packing.

Your best sources for lightweight tackle are stores that specialize in backpacking

2 pounds 5 ounces— *the essentials fit into daypack. Vest holds pliers, knife, more small tackle—adding another pound*



KEITH GUNNAR

Hefty *sea-run Dolly Varden was caught in glacier-fed mountain stream in Washington's Cascade Mountains*

equipment. Another is the small, specialty tackle shop. Or try local sporting goods stores.

One of the most complete reference books we've found is *Fishing the High Country,* by Trey Combs (Northwest Salmon Trout Steelheader Company, Box 02112, Portland, Oregon 97202, 1973; $3.50, paperback).

Getting out on the water

A raft can get you to otherwise unreachable shorelines, or out to where the fish seem to be feeding. Or it can put you into the open where an accomplished fly-caster can wield a long line.

At a few lakes with wooded shorelines, you may find crude rafts fashioned from logs. Don't give them your unqualified trust—they may be waterlogged or poorly built, and wallow in mid-lake.

Consider toting in an inflatable raft. Before buying one, see if you can rent a similar model. Rafts are heavy—even the lightest 1-man versions weigh about 8 pounds ($40 up). Pump and oars weigh another 2 or 3 pounds ($10 up). Two-man rafts begin at about 12 pounds ($50 up). Remember, too, that small rafts are often awkward to handle, are easily blown around by mountain winds, and can be quite cold (you lose body heat to frigid water) unless you insulate the seat with a small foam pad.

Another way to get water-borne is with neoprene stocking-foot chest waders together with an inflatable inner-tube and small flippers that attach to your feet and allow you to paddle slowly across the water (see page 82). Wear old sneakers over neoprene waders to protect feet and waders in rocky areas. The entire outfit costs about $90 and adds another 13 pounds to your pack. Expect to get cold; the waders keep you dry but provide only minimum insulation.

The lightest raft (5 pounds, $100) and

KEITH GUNNAR

Walking catalog *readies for action; instead of raft, he uses float ring, waders, and flippers to reach inaccessible corners of lake, or get into open water to wield long fly line. He carried it all in—less than 13 pounds*

float ring (3 pounds, $70) ever produced were made by American Safety, now apparently out of business; some stock may still be found on dealers' shelves.

A quick lesson in mountain fishing

For beginners, the simplest technique is to use lures. You tie a snap swivel to the end of a 2 to 4-pound test-strength line, attach a ⅛ to ¼-ounce metal spoon or spinner, cast it out into the lake, let it sink several seconds, then retrieve. Varying the speed of your retrieve, or adding an occasional erratic upward jig of your rod tip, will draw more strikes. For longer casts, crimp on a piece of split-shot sinker about 12 inches up from your lure (or two pieces at 6 and 18 inches).

Fly-casting takes time to learn, and is often not practical around brushy or steep rock-walled shorelines (you need plenty of room for back casts).

Many high-lake fishermen adapt spinning gear for fly fishing. Tie on a "casting bubble" (a clear plastic float with enough weight to cast), add a 4-foot length of leader (1 to 2-pound test), attach a fly, and cast toward rising fish (those feeding on insects floating on the surface). Reel in slack line and keep your eye on the fly. When the fish strikes, set the hook by pulling sharply on the line. Beginners should limit fly choices to a few basic patterns: black gnat, mosquito, gray hackle yellow, or whatever your shop recommends, in hook sizes 10 to 14.

Bait fishing may bore beginning anglers, but can be the most relaxing way to fish. Thread a "slip sinker" (lead with a hole through it) onto your line, and crimp on a small split-shot about 4 feet from the end, below the sinker to keep it from sliding down to the hook. Tie on an egg or worm hook, and cast. (The slip-sinker provides casting weight and drops to the bottom, while the bait floats just above it.) Reel in some slack line and wait for fish to bite. (Or use a floating bobber instead of a sinker. It allows the bait to dangle below the water's surface. When the bobber is pulled down, set the hook.)

How to find the fish

In small mountain streams, trout tend to congregate in calmer water where they don't have to fight such strong current. Look for small pockets of calm water between rapids, or larger pools where fish might be stationed to feed. Cast a small lure upstream at a 45° angle and let it drift downstream through the pool with the current. Reel in slack line as the lure travels by. In faster-moving, deeper pools, you may need to add sinkers to get your lure down. Or try the fly-and-bubble approach, or still-fish with bait.

In lakes you'll often find more fish at inlet streams (waiting for feed to wash into the lake) or the outlet, where floating insects are concentrated into a narrower channel. Fish also tend to patrol the shorelines in schools.

Fish feed more actively when insects are "hatching" (breaking out of pupal husks, rising to the water's surface, and flying away). Hatches generally occur during the most pleasant times of the day—morning and evening. Angling should improve at those times, particularly fly fishing. On windy days, try the downwind end of the lake where more feed will be piling up.

Veterans say some of the season's best fishing comes during the first few weeks after the ice melts from high lakes (which in the Northwest can be as late as August), and again in the fall, when fish feed heavily before the winter ice-up.

A few words about conservation

Popular high lakes and streams can easily be over-fished. A good slogan to remember is, "limit your kill, don't kill your limit."

You should know how to release fish properly. Lures and flies with single barbless hooks (available in better tackle shops) make the job easy. Wet your hands (never touch fish with dry hands—it removes a protective coating and makes the fish more susceptible to infection), grip the fish firmly from under the belly, back the hook out of its jaw, and gently release the fish into the water. Never clutch fish so hard that an internal injury results, and don't drop them back into the water.

1978 Chrysler Cordoba

"The picture of style and taste."

Anthony Edgeworth, contributing photographer, Esquire Magazine

We asked New York fashion photographer, Anthony Edgeworth to show you a new Cordoba the way he sees it.

"To me . . . Cordoba is classic. Look at the proportions. Look at the unbroken reflective surfaces. . . an absence of chrome. There is a thrust to the hood . . . a strong look. The framing of the grill is unpretentious and clean. I like that. I like the interior too. It's uncluttered . . . strong. The car looks very special . . . like it would fit a very special way of life. Cordoba? It's the picture of taste.

That's the way one of the nation's leading photographers sees Cordoba. Now put yourself in the picture when you buy or lease a new Cordoba at your Chrysler-Plymouth dealer.

CHRYSLER

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Warehouse of the East" is how travel writers describe Georgetown, the capital city of Penang. Here, in one of Asia's oldest and best known trading centres, you can buy everything imaginable from modern jewellery to antique bric-a-brac

Though the days of piracy are long gone, Langkawi still exudes an air of mystery and surprise. Imagine this magnificent mosque set in splendid solitude barely a few paces from the Indian Ocean!

A sightseer's paradise awaits you in Penang. While round the corner is Langkawi, a paradise of a different kind.

Penang. *The island state that quietly grew out of European-Asian trade long before your time. A gem of a tropical island abounding with the magic of the East. Miles of golden, sandy beaches. Shops with a fascinating variety of souvenirs. Sights that hold you spell-bound, like the awe-inspiring Snake Temple and the magnificent temple of Kek Lok Si.*

Then, just a short distance away is mysterious ***Langkawi,*** *a group of ninety-nine islands scattered in splendid solitude. Here, there are beautiful beaches, coves, lagoons and lakes to explore. Each ringing with ancient myths and legends.*

Or take a ferry across to the ***Northern Mainland*** *of Peninsular Malaysia. See acre upon acre of "Rice Country", of flat, green fields, and golden brown padi interrupted only by magnificent mountains and limestone caves.*

And it's all here in Malaysia. The country where great cultures meet, where the diversity of its history, customs and traditions is reflected in the warm hospitality of gentle, friendly Malaysians.

Come share a holiday in this wonderful land. Come to Malaysia. We welcome you now and any time of the year.

For more information and brochures about Malaysia, contact your travel agent or write to us at the address below.

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600 Montgomery Street,
San Francisco,
California 94111,
U.S.A.
Tel: (415)-788-3344.

It's all here

MALAYSIA

NORMAN A. PLA

Looking in *(above), insect screening is stapled to store-door, finished with ½-inch screen molding. Looking out (right), ¾-inch plywood panel closes off screened opening. Friction catches hold hinged panel in place*

Screen door, solid door in one

Why have a solid door and a screen do when one will do the job? Archite Kirby Lockhard of Tucson specified a "open store-door" for this bedroo opening onto a deck, and built a do within a door.

Store-doors (used mainly in stores ar industrial buildings) are usually made solid, vertical grain Douglas fir. "Oper means unglazed or without glas They're available through most lumb yards (usually on special order) fro $55 to $110.

For the door-within-a-door, paint-grad or vertical grain plywood is best. Th cost more than conventional "peele plywood, but will more closely, mat the grain of the store-door.

A tight seal was not necessary becau of a protective outside overhang; b normally weatherstripping should added to keep out dust and rain.

This single door, even with its addition hardware, will probably cost you le than buying both screen and solid doo

Owner is architect Jack DeBartolo Tucson.

Kodak introduces

Colorburst™ instant cameras

nstant color by Kodak. You get it nly from Kodak nstant cameras.

low, there's a low-priced, notorized instant camera that gives ou what no other motorized instant amera can—bright, brilliant, burstng color by Kodak. And it's so simle. Just press the button and out ops a clean, white print that turns magnificent color right before our eyes. Like magic. It's cometely automatic, no timing, no eeling apart, no mess.

Close up or far away—ocusing's a snap.

odak's "zooming circle" elps you get sharp, clear ctures of your favorite eople because it lets you set the focus quickly and easily.

Tough, durable rints instantly.

l Kodak instant prints have elegant, textured Satinluxe™ nish that protects them from nudges, smears, fingerprints. You n even wash spills off with water.

Electronic flash pictures.

olorburst instant cameras use pflash or electronic flash. The odak electronic flash has an elecic eye that gives you correct expores automatically. Great for fill ash outdoors when the sun is behind or on the side of your subject. And you can buy a Kodak Colorburst 100 instant camera in a handy kit that also contains a Kodak electronic flash.

Only Kodak instant cameras give you vertical or horizontal instant pictures. All you do is change camera position. For a horizontal group shot, hold the camera upright. For a vertical subject, hold the camera sideways. And, you can have copies made of your favorite pictures from wallet size to enlargements.

Easy-to-use cameras—lovely-to-look-at prints.

Colorburst instant cameras are comfortable to hold with just enough weight for shooting stability. Best of all, Kodak instant cameras give you what no other motorized instant camera can—bright, brilliant, bursting color by Kodak. And after all, isn't color the way to choose an instant camera?

"The only low-priced, motorized instant cameras that give you this ...bright, brilliant, bursting color by Kodak."

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GENERAL MOTORS PARTS DIVISION

Testing a young wine *10 feet underground. The big barrels are jockeyed around with a portable winch. Sturdy overhead joists are 2 by 10's*

PETER O. WHITELEY

Up the access ladder *comes the proud builder with the day's selection. Hinged hatch covers opening*

SCOTT ACHELIS

Reinforcing bars *protrude fron half-finished walls deep in pi*

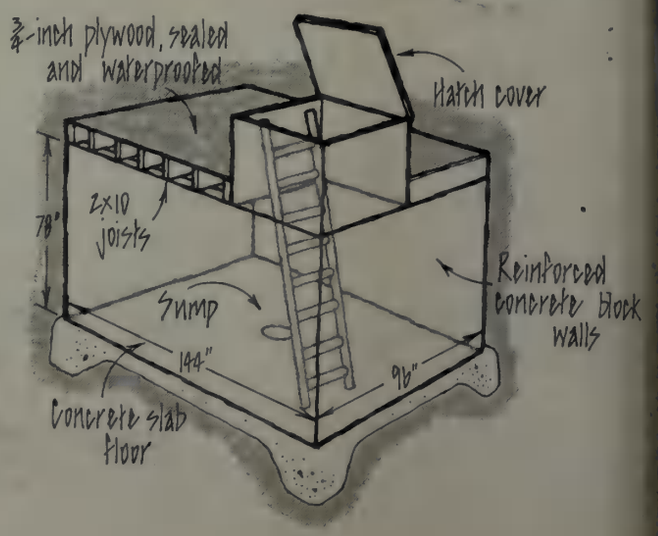
Early winemakers knew that wines mature best in cool and dark caves where temperature fluctuation is slight. They found 56° about the ideal temperature for storage and constant growth of young wines.

Home winemaker Scott Achelis of Palo Alto, California, needed a place to pursue his hobby seriously and store a growing wine collection. With no cellar under his house and wild temperature fluctuation in the garage, he decided to make a cave of his own right in the middle of his back yard.

It was a back-breaking labor of love: He completely buried a concrete block room under 2 feet of soil so there would be no need for expensive and energy-consuming refrigeration equipment. Since his yard's wet adobe soil weighs almost 175 pounds per cubic foot, he consulted a structural engineer before submitting plans to local building authorities.

Even though he rented a backhoe to dig the hole, owner-builder Achelis worked more than 500 hours to complete the job. He spent much of his time laboriously hand-carrying all materials from curb to back yard. He plans to landscape the numerous mounds of leftover soil that now dot the Achelis back yard. The total cost was $1,200 and Achelis feels it's been worth the price—temperatures average a very steady 56°, with a high of 62° on the hottest day last year.

A winemaker needs a cool, dark place. This one built himself a buried room



MARTHA WOOWARD

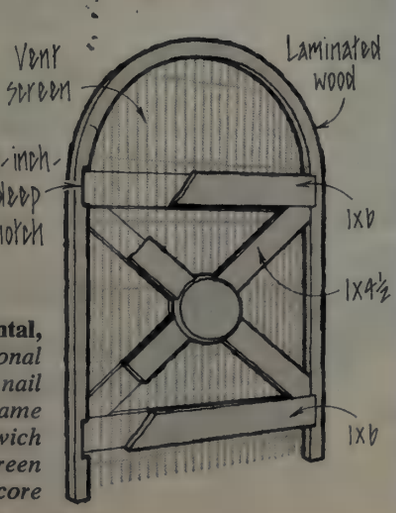
Giant hinges *bolted through gate anchor it to post bolted into masonry wall*

Glued curve makes the gate

The wide entry into this courtyard called for a double gate or a single, strong one. Deciding that one is easier to open and pass through than two, architect Dan Withee of Palos Verdes, California, came up with this design.

The curved frame was made by forming 14-foot-long strips of ¼ by 2½-inch fir around a jig of lumber bandsawed to the desired curve, then laminating them with waterproof glue. Ready-made wooden vent screen, sold in panels at building supply outlets, was cut to fit, then toenailed into the frame and held firm between horizontal 1 by 6's notched into the frame for strength. Overlapping pieces of fir, ripped to 4½ inches wide, make X's that brace the screen from both sides.

Woodworker Paul Walchenbach carved two decorative medallions to fit over the crossbraces in front and back. The gate was sealed with a clear sealer. □



Horizontal, *diagonal braces nail to frame to sandwich vent-screen core*

Wyoming Fall: For the Two of You

An elk's bugle echoes off a snow-dusted mountainside. High plains grasslands ripen in the sun while the flowers sleep. Stark white aspen trunks and green mountain pines counterpoint a symphony of yellow, russet, brown and orange. A deep peace lies over the land. It's autumn in Wyoming.

When fall makes its colorful assault on the high country, it's a perfect time for just the two of you to enjoy the crisp days, brisk nights, uncrowded accommodations (campgrounds to resorts) . . . unhurried sightseeing in Yellowstone, the Tetons, Devils Tower. Golf, tennis, fishing, boating and more await you at quiet time in Wyoming.

Write for the color-laden details.

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DON NORMARK

Protecting sliding glass doors *that face west, awning keeps summer afternoon sun out of dining room - kitchen. It dismantles easily, rolls up for storage*

Summer cooler . . . a big awning shading west-facing glass

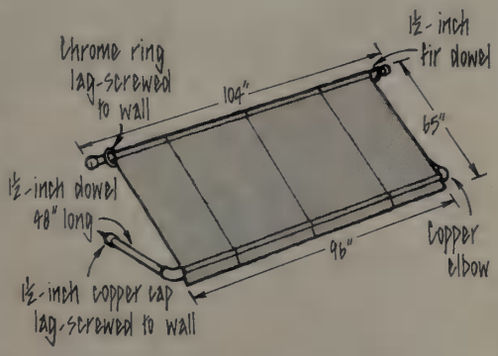
Like an eyeshade for the house, an awning may help make summer living more pleasant. This one keeps the interior temperature several degrees cooler during hot weather by shading a double glass door.

Architect Fred Repass designed the awning for his own place in Kirkland, Washington. The fabric was cut and sewn to his specifications by a local tent and awning company. The entire covering can be sewn at home on a heavy-duty sewing machine.

The 9-foot-wide awning was made by stitching together three 54-inch-long pieces of acrylic fabric. If you use acrylic fabric, be sure to sew it with nylon or dacron thread; cotton thread will rot out in a year or two. Or use cotton canvas, but be sure it has been treated to lengthen the life of the fabric and inhibit mildew.

A frame of 1½-inch wood dowels, plus copper elbows and caps from a plumbing supply house, supports the awning and holds it 4 feet out from the wall. The dowels slip through casings at the top and bottom of the fabric; copper water caps and chrome rings are attached to the house wall with lag screws. In windy areas, secure dowel in cap with a metal pin, nail, or screw. □

Copper cap *is held to wall by a lag screw through its closed end. Dowel fits snugly inside its open end*



Awning hangs *from chrome rings secured by lag screws to shingled wall. Force of gravity pushes dowels into copper caps*

Parrot Jungle, Miami Florida

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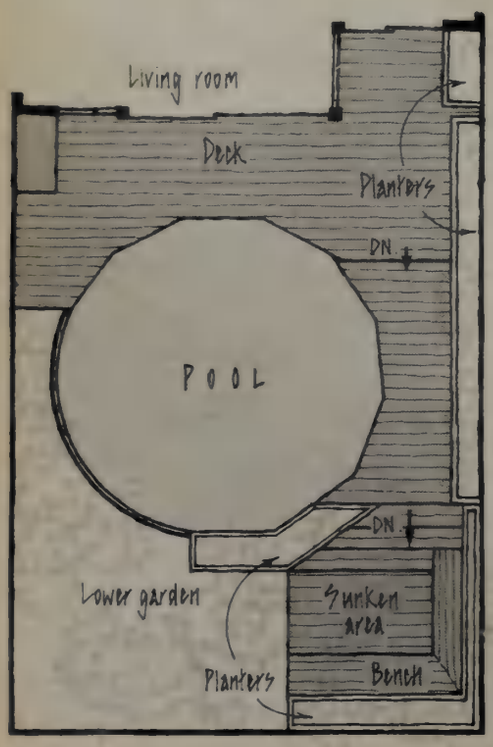
NORMAN A. PLATE

Inside opens to outside: *Sliding glass doors in living room open to sitting area at pool's edge. Pool is heated year round by solar collectors out of sight on roof. Deck steps down to sheltered seating area (pictured below, far right)*



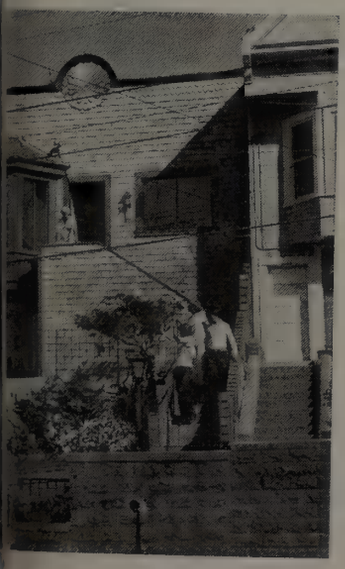
Outdoor living on a San Francisco hill

Careful planning transformed this tiny house and lot on a San Francisco hill into a sunny urban retreat

Deck wraps *around pool, leads down to L-shaped bench. Area at lower left is garden at existing grade*

Swim with a view—*made possible by above-ground pool installed in deck over sloping back garden*

Inside, *living room seems part of outdoors with its glass wall, plants, and mirrors that wrap view around corner*



So narrow! *Front view of new shingled exterior gives idea of back yard's width*

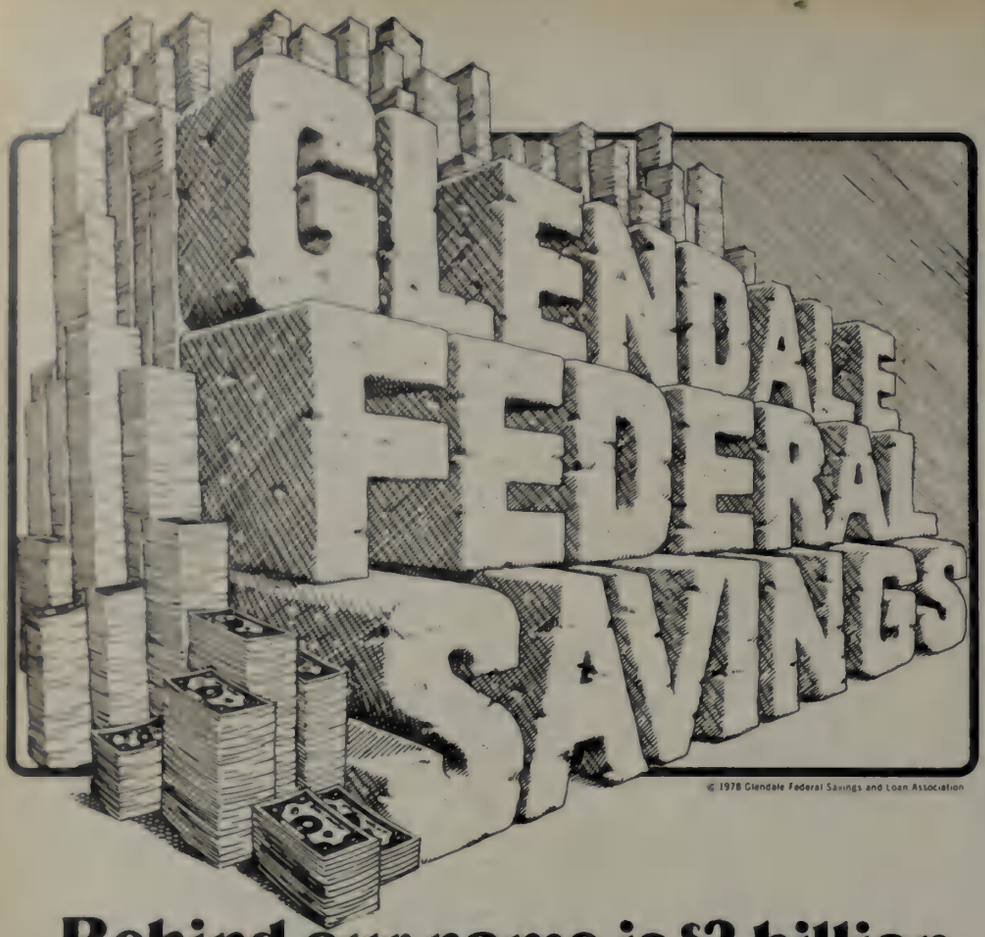
Backrests *are pillows and flower-filled planters in entertaining lounge set down out of the wind*

ou'd never guess that all this outdoor ving could go on in a space just 25 et wide and 32 feet long—tucked in ck of a little house on San Francisco's trero Hill.

tdoor structures and landscaping are part of a major remodeling scheme that expanded the back of the house. A new two-story living room now takes advantage of the view, and its plant-filled corner and informal seating echo the feeling of comfortable outdoor living you experience just beyond its windows. Before, steps led down to the natural garden grade in back, well below the main living level of the house. To bring outdoor living spaces up to the living room's floor level with its good view, and to install a pool, the least expensive solution was to use a packaged above-ground pool surrounded by a deck. As it turned out, the top of the pool was about 8 inches below the floor level of the new living room—so the deck steps down at one point to make the adjustment (see plan).

Six solar collectors mounted on the house's south-sloped roof keep the 18-foot diameter, 4-foot deep pool at around 66° in winter, and between 70° and 80° the rest of the year. A sunken sitting area is at one end of the deck.

The designs for the house remodel and landscaping are the joint effort of owner Larry Wilson, architect Arthur H. Middleton, interior designer Glenn Frandsen, and landscape designers Dennis L. Westler and Ralph Carpenter. □



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STEVE BELLA

Before: *standard 50s bathroom shows its age*

NORMAN A. PLATE

After: *new tub, tile, wallpaper, and a large bay window with view of garden*

New view window for the tub

When asked what prompted them to re model their bathroom, Steve and Kare Bella replied, "You mean the *before* pic ture doesn't speak for itself?"

To achieve a sense of spaciousness i their small and aging bath, the Bella knocked a hole in the wall behind th tub and built a 4 by 5-foot bay wir dow. Ten-inch-wide jalousie window along the sides open for ventilation, an an 18-inch-wide ledge provides space fo soaps and indoor plants.

Although manufactured "greenhouse windows are available for this us they're generally divided into sma panes. The Bellas' single-pane windo cost about $200 for glass and framin The entire remodel, including tile an all fixtures, cost less than $1,000.

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RICHARD C. DAWS

Fourteen units *stack to give these youngsters a place for their clothes, games, toys, phonograph, and records Square modules are dadoed for ¼-inch plywood slide-in shelves and dividers; bottom center unit is modified with pair of hinged doors*

Furniture modules can stack like building blocks, can change later

They're working *at table made from ¾-inch plywood; drawer and open modules form storage base*

Like giant building blocks, modular furniture can be arranged in numerous ways to provide flexible storage for your family. As needs change, so does the furniture.

Joel Klein of Sacramento designed the modular units shown here; working on a few units at a time, he and his wife completed the project in a few weekends for about $150. His comment as a beginning furniture maker: "It takes more patience than skill. Over half the work is finishing—sanding, puttying, and painting."

A table saw was used for all cutting and dado grooves. Enclosures and drawers are ⅝-inch plywood; drawer bottoms and face plates are ¼-inch plywood. All enclosures are 16 inches deep, 8 or 16 inches high, 16 or 32 inches wide.

Decide the number of units you want and cut plywood according to dimensions in chart at right.

Enclosures. To allow for any shelves or

Design your own system. Here are the sizes

Cutting data	Small drawer	Wide drawer	Large drawer	Square module
ENCLOSURE				
Top	16" x 16"	32" x 16"	32" x 16"	16" x 16"
Sides (cut 2)	7⅜" x 16"	7⅜" x 16"	15⅜" x 16"	15⅜" x 16"
Back	6¾" x 14¾"	6¾" x 30¾"	14¾" x 30¾"	14¾" x 14¾"
Bottom	14¾" x 16"	30¾" x 16"	30¾" x 16"	14¾" x 16"
DRAWER				
Front	6½" x 13¼"	6½" x 29⅛"	14½" x 29⅛"	
Sides (cut 2)	6½" x 15⅛"	6½" x 15⅛"	14½" x 15⅛"	
Back	6½" x 13¼"	6½" x 29⅛"	14½" x 29⅛"	
Bottom	14⅜" x 13¾"	14⅜" x 29¾"	14⅜" x 29¾"	
Front plate	7¾" x 15¾"	7¾" x 31¾"	15¾" x 31¾"	

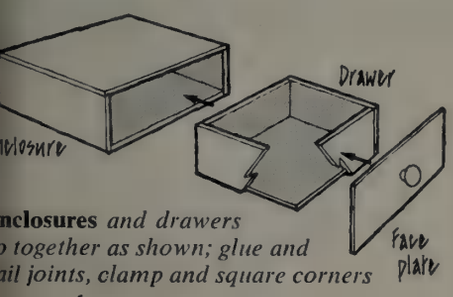
Parts in light brown are ⅝ inch thick; in darker tone, ¼ inch thick

lividers, use dado blade to cut ¼-inch grooves before assembling. Glue all oints and nail with 1½-inch finishing ails. Square corners as glue dries so nodules will fit tightly when stacked.

Drawers. Bottoms sit in ¼-inch grooves ut ½ inch from the bottom of the rawers; cut grooves about 5/16 inch eep on front, back, and side pieces of rawers. Assemble drawers, *except for ace plate;* glue and nail.

or easier sliding, glue strips of plastic aminate to bottom of drawer sides and atching strips inside bottom of enlosure. (For heavy-duty storage, reduce rawer width to allow for metal glides nd attach them at this time.)

lace drawer in enclosure so sides are venly spaced from enclosure sides and ront is flush with front edge of enclore (temporary blocks behind the rawer will hold it in place). Have some-



nclosures *and drawers together as shown; glue and ail joints, clamp and square corners*

ne hold face plate firmly over drawer ront, ⅛ inch in from all enclosure dges, as you drill holes through face late and drawer front for the drawer ulls. Glue face plate to drawer front, tach pulls (they act as clamps), and amp edges to keep plate from bowing. o finish units, fill edges and nail holes, nd sand well. Remove pulls and brush r spray units with enamel undercoat nd one or two coats of enamel. □

NORMAN A. PLATE

ompact *setup for stereo equipment onsists of four modules: tapes and records drawers, cassette deck in enclosure*

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BILL RO

Springboard through the ornamental asparagus:

Commercial diving board is anchored to a steel-reinforced concrete footing in pool apron. Step platform of redwood 2 by 4's was built around it and sealed with a preservative stain. Springboard pokes through Myers asparagus in brick planter that rises above pool's tile coping. This is the Villa Park, California, home of Larry and Gloria Parker; design by Joane Hamilton Shamma of Corona, California

Diving rock, diving platform, diving planter

Figuring out how to take a flying plunge was the particular challenge of these three swimming pool owners. Each wanted to find an alternative to a conventional springboard, and each came up with a different solution.

The ideas here might be worth considering if you're planning a new pool or redesigning an old one. The springboard, rock, and platform are all 2 to 3 feet above water level.

Your own creative solutions should adhere to the same safety guidelines used by commercial board installers. In general, you should devise a raised place for diving only if the pool depth is 8 feet or more. Some installers feel that water should be 12 feet deep before you dive from a height of 3 feet. The break line—where the deep end begins to slope up—should be 12 to 14 feet out from the deep-end edge. Overhang should be 18 inches for a board 1½ feet above the water, 36 inches for one 3 feet above. It can be less for platforms. □

Planter platform

Raised brick wall at deep end of poo forms planter beds for palm and se lavender. Brick paving extends ove steel-reinforced diving platform measuring about 30 inches on a side Steps curve up behind palm. Design b Joane Hamilton Shamma for Robert an Mary Schultze of Orange, Californi

Rock ledge:

Boulders at pool edge include a flat one set in concrete to form diving ledge one step up from wood deck. To support rocks' weight, pool wall is reinforced with grid of ¾-inch-diameter steel bars on 3-inch centers. Palos Verdes flagstone faces pool wall down to a few inches below water line. Design by owner Katherine Averbach of Hollywood

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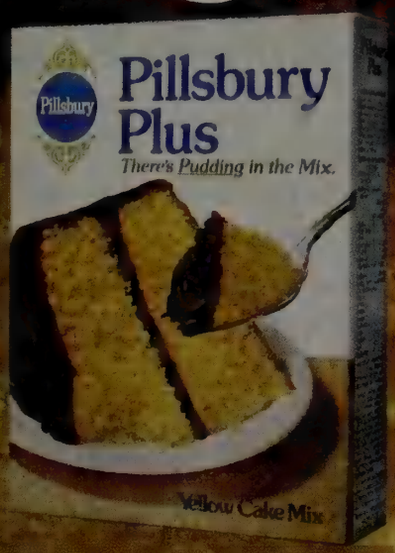

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Prepare Macaroni and Cheese according to package directions then mix in 4 oz. can of Ortega Diced Green Chiles. Serve immediately.

Try this one too!

1 cup (4 oz.) elbow macaroni, cooked according to package directions, drained.
2 Tbsp. *each* butter (or margarine), & flour
1¼ cups milk
½ tsp. salt
¼ tsp. pepper
1 cup (4 oz.) grated sharp Cheddar cheese
1 can (4 oz.) Ortega Diced Green Chiles

In saucepan, melt butter. Stir in flour. Cook, stirring, over low heat 3 minutes. Add milk, salt, and pepper. Cook, stirring, over medium heat until thickened. Mix in cheese and chiles. Combine sauce with macaroni. Pour into 2 quart casserole. Top with buttered bread crumbs, if desired. Bake in preheated 350 degree F oven 25-30 minutes, or until bubbly. Serves 6-8.

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Curved trim *makes this 6-foot redwood planter seem sleeker, more graceful. It can be display box or container garden for flowers or vegetables*

Long trough for flowers, vegetables. Curved trim is the finishing touch

Giant planters can be hard to find and expensive. Here is a handsome one, designed by Max Hartstein and Jerry Barnes, that you can build yourself.

You need four 6-foot lengths of rough redwood 1 by 12 (free of splits); four 1-foot, two 6-foot 3-inch, two 1-foot, and four 4-inch (optional) lengths of clear redwood 1 by 3; and some 2-inch (6d) box nails and 1½-inch (4d) finishing nails (both galvanized).

Cut one of the 1 by 12's into eight 6-inch lengths (for C-shaped trim) and two 11-inch lengths (for box ends).

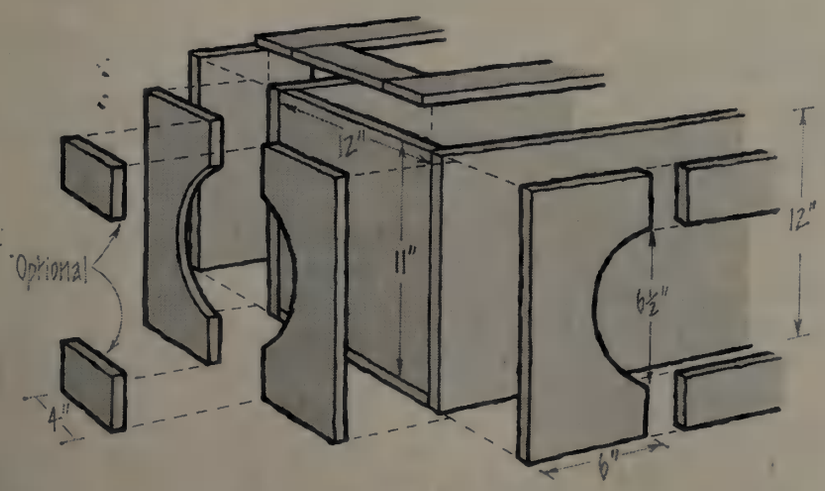
While someone helps you hold pieces in place, nail together remaining three 1-foot lengths of 1 by 12 (sides and bottom of box) and the two 11-inch lengths (box ends). Drive 6d nails every 8 inches along bottom (closer at ends), alternating angles for more strength.

On each of the eight 6-inch 1 by 12's, draw a half-circle with a diameter of about 6½ inches (that of a gallon paint can); cut out semicircles with a jigsaw or band saw and nail in place at each corner of the box, as in the photograph (use 4d nails and drill pilot holes so as not to split the wood).

The C-shaped trim on box ends will be 4 inches apart (see drawing). Fit in two of the 4-inch lengths of 1 by 3 at each end, or leave the gap unfinished.

Complete the trim pattern by nailing the four 5-foot 1 by 3's in place along the box's sides. Then nail the remaining 1 by 3's around the top edge to make a rim.

To finish, drill several ½-inch holes in the bottom for drainage. In a planter this large, be sure to use lightweight soil. □



Exploded view *shows how the parts overlap. The C-shaped pieces, attached with finishing nails, cover heads of box nails that join ends and sides*

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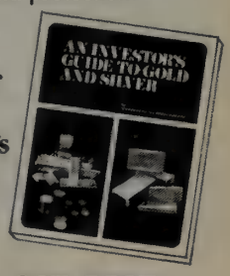

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First, we offer a sure-to-please variation on the popular Sloppy Joe sandwich. Then, for the season's fres swordfish, there are marinated steak to barbecue or broil. Colorful red be peppers are easy to pickle by a simpl refrigerator method. And ripe peac

Pass bowls of shredded lettuce, sour cream, cheese to top beef-filled buns

Taco Joe Beef Sandwiches

Like a taco in a bun, these hot, saucy sandwiches require a knife and fork.

- 1 pound lean ground beef
- 1 large onion, chopped
- 1 can (7 oz.) green chile salsa
- 1 can (8 oz.) tomato sauce
- 1 can (2¼ oz.) sliced ripe olives, drained
- 1 can (about [illegible] oz.) kidney beans, drained
- ½ teaspoon *each* ground cumin and garlic salt
- 1 teaspoon chile powder
- 4 to 6 hamburger buns
- Suggested garnishes: shredded lettuce or jack cheese, diced tomato, sour cream

Crumble beef into a frying pan over medium-high heat and cook, stirring, 2 or 3 minutes; add the onion an cook until onion is limp. Drain o fat. Stir in the salsa, tomato sauc olives, beans, cumin, garlic salt, an chile powder; simmer, uncovere until slightly thickened, about 5 to 1 minutes.

Meanwhile, split the hamburger bun and toast the cut sides if desired.

To serve, place bottom halves of bun on plates and spoon meat mixture o top. Serve top halves of buns along side. Pass your choice of garnishe (suggestions above) at the table to to each serving. Makes 4 to 6 serving —*V. E., Menlo Park, Calif.*

Marinated red pepper strips and onion rings keep for months in refrigerator

New Mexico Marinated Bell Pepper Strips

For a splash of color and flavor, serve these pepper strips on meat or cheese sandwiches or in salads; or dice and add to scrambled eggs, cooked vegetables or rice.

- 6 large red bell peppers or green peppers
- 3 large cloves garlic, thinly sliced
- 1 cup *each* salad oil, white wine vinegar, and water
- 2 teaspoons sugar
- 4 teaspoons seasoned salt
- ½ teaspoon pepper
- 2 medium-sized onions, thinly sliced and separated into rings

Cut peppers in half, and remove stems, seeds, and membranes. Then cut each pepper half into ¾-inch-wide strips.

In a 5 to 6-quart pan, combine garlic oil, vinegar, water, sugar, salt, an pepper. Bring to boiling, add pepper and boil gently, stirring, for 3 min utes. Remove from heat, stir in th onions, and spoon into a 4-quart glas or rigid plastic container with a tigh fitting lid.

Let cool, then tighten lid and refri erate at least 1 week before sampling stir occasionally.

Covered tightly and refrigerated these marinated peppers will keep to 4 months. Makes 10 cups.—*E. A Las Cruces, New Mex.*

Easy-to-make rice salad starts with a mix; serve with grilled chicken, meat

Curried Rice Salad

For a whole meal salad, you might mix in bite-size pieces of cooked chicken, ham, beef, or cheese.

- ½ teaspoon curry powder
- Butter and water called for on package of rice mix
- 1 package (8 oz.) chicken-flavor rice and vermicelli mix
- 1 jar (6 oz.) marinated artichoke hearts
- 10 pimiento-stuffed green olives
- ½ cup chopped green pepper
- 4 green onions, sliced
- ¼ cup mayonnaise
- Lettuce leaves
- 4 to 6 deviled egg halves

Stir curry powder into butter, then brown the rice mix as package directs. Add the water and cook directed until rice is tender. Cool.

Meanwhile, drain artichoke heart saving marinade. Cut artichokes in quarters and slice the olives; stir in the cooled rice mixture along wi the pepper and onion.

Combine reserved artichoke ma nade and mayonnaise, then gently st into rice mixture. Cover and chill least 6 hours, or overnight.

To serve, mound rice mixture on lettuce-lined plate; garnish with e halves. Makes 4 to 6 servings.—*D. Honolulu.*

alves, with a macaroon filling, make good, simple dessert.

o share your favorite recipes, mail nem to *Sunset Magazine*, Menlo ark, Calif. 94025. We pay $25 for ach recipe published.

What's for dinner tonight? Swordfish steaks or Taco Joes

wordfish Steaks with Mushrooms

he lemony, sautéed-mushroom top-ing also complements halibut, snap-er, or lingcod.

- 2 pounds swordfish steaks, each cut about ¾ inch thick
- 3 tablespoons lemon juice
- ¼ cup dry white wine or water
- 1 clove garlic, minced or pressed
- ½ teaspoon *each* oregano leaves, salt, and pepper
- ¼ teaspoon fennel seeds, crushed
- ½ pound mushrooms, sliced
- 2 tablespoons olive oil or salad oil
- 2 or 3 green onions, thinly sliced

ut fish into serving pieces; then ombine in a plastic bag with the mon juice, wine, garlic, oregano, alt, pepper, and fennel seeds; close bag with a twist. Chill 1 to 2 hours, turning bag often.

Lift fish from marinade; reserve marinade. To barbecue, place fish on a greased grill 4 to 6 inches above coals. Or broil about 4 inches from heat on a broiler pan. Cook about 5 to 8 minutes on a side or until fish flakes easily when tested with a fork.

Meanwhile, sauté mushrooms in oil until limp. Stir in reserved marinade and simmer about 2 minutes. Transfer fish to a serving plate; top with mushroom sauce and sprinkle with green onions. Serves 4 to 6.—*C. S., San Pedro, Calif.*

Swordfish steaks, either barbecued or broiled, get a mushroom-onion topping

quash and Spinach Casserole

ou can prepare this vegetable dish arly, then bake just before serving.

- 2 cups coarsely crushed seasoned croutons
- 1 cup small curd cottage cheese
- ¼ teaspoon *each* dry basil, thyme, rosemary, oregano
- 2 bunches (¾ lb. *each*) spinach
- 6 medium-sized crookneck squash, cut in ⅛-inch-thick slices
- 6 tablespoons butter or margarine
- Salt and pepper
- 3 medium-sized tomatoes, cut in ½-inch-thick slices
- 1 cup shredded sharp Cheddar

ombine croutons, cottage cheese, nd herbs. Wash, drain, and cut spin-ch (stems removed) into wide strips. In a frying pan over medium-high heat, lightly brown squash in half the butter. Turn into a shallow 2½-quart casserole. Sprinkle lightly with salt and pepper; then top with half of the crouton mixture. Melt remaining butter, add spinach, cover and steam 1 to 2 minutes to wilt. Spread spinach evenly in casserole; sprinkle with salt and pepper and remaining crouton mixture.

Bake, uncovered, at 375° for 15 minutes (25 if cold). Top with tomatoes and cheese. Bake 10 to 12 minutes longer, or until cheese is bubbly. Serves 4 to 6.—*V. K., Bothell, Wash.*

Layer lightly cooked squash, spinach, and a cheese-crumb filling; then bake

acaroon Baked Peaches

erve these warm or cooled as a spe-al breakfast fruit or for dessert.

- About 7 large ripe peaches
- Lemon juice
- 6 macaroon cookies, coarsely crushed
- ⅓ cup chopped almonds
- 1 egg white
- 1 tablespoon sugar
- ¼ teaspoon almond extract
- ¼ cup shredded coconut
- ½ cup fresh orange juice
- 1 cup heavy cream (optional)

el peaches, cut them in half, and move the pits. Turn peach halves lemon juice to prevent discolora-n. Place 12 peach halves, cut side , in a 7 by 11-inch baking pan. Chop enough of remaining peach to make ½ cup, then lightly mix with macaroon crumbs and nuts.

Beat egg white until frothy, then gradually beat in the sugar and extract until stiff peaks form; fold into crumb mixture. Spoon an equal amount of mixture into the center of each peach half. Sprinkle with coconut. Pour orange juice into pan.

Bake, uncovered, in a 400° oven for 20 minutes or until hot throughout. Serve warm or cool; pass cream to pour over each (or sweeten and whip, if desired). Makes 6 to 8 servings.—*L. F., Portland.*

Top peach halves with fluffy macaroon and nut mixture shortly before baking

Out-of-Hand Salad
Hollow out lightly cooked squash; fill with egg salad seasoned to taste with diced green chiles

Ham Fingers
Dip fully cooked ham strips into sour cream spiced with Dijon mustard

Barbecued Shellfish
Enjoy well-scrubbed clams and oysters when their shells pop open; skewered shrimp are ready when they turn pink

"Just pick it up in your hands"

Here are easy-to-eat summer party snacks. Enough of them can add up to a meal

Raclette Rounds
Spoon melted Swiss or jack cheese onto warm, thick, fried potato slices; sprinkle with salt and pepper

Sauerkraut-Hot Dogs
Pile drained sauerkraut on grilled, mustard-topped frankfurters cut in half for easy handling

Fairwiches
Add Swiss cheese and wine-marinated, mild onion rings to a slice of pumpernickel

DARROW M. WATT

Corn Fixings
Squeeze fresh lime juice over hot corn-on-the-cob with the husk left on for a handle; sprinkle with coarse salt

Orange Smile
Sprinkle orange wedges with Mexican seasoning or salt spiced with chile powder, ground cumin

›uring summer vacations, when sched- les relax and life grows more informal, ısty snacks to eat out of hand make a ›t of sense. You can always find a time › offer one or two such snacks; add a ·w more, and you can make a meal f them.

lere we present eight ideas for easy-to- ·rve, easy-to-eat, hand-held snacks (not ırprisingly, we found some of the best ıd most wholesome of these at tradi- onal summer fairs in the West and else- here). We think this collection gives ›u lots of possibilities.

You could try all eight together at a kick-off-your-shoes, all-finger-food dinner party. With meat, shellfish, vegetables, and fruit included—some served hot, others chilled—they make a satisfying, nutritious meal.

Or you could sample one or two at a time in more conventional menus. For instance, both the ham and the barbecued shellfish could be served as either appetizer or entrée; if you use the ham as an entrée, you might want to slice it and pass around the seasoned sour cream as a sauce.

You could try the hot potato slices, salad-stuffed summer squash, or lime-seasoned corn-on-the-cob as accompaniments to barbecued beef, chicken, or spareribs. Or you could serve one or more on the side with a platter of assorted cold meats.

You might want to fix either sauerkraut-hot dogs or Swiss cheese-and-onion sandwiches for lunch. Then again, once they're ready, you could decide to cut them in smaller, easy-to-hold pieces and have a fine portable snack—to eat on your way to the beach. □

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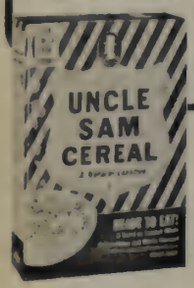

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DARROW M. WATT

Peach-chunky *and honey-sweet, lightly whipped butter melts over pancakes*

Peach butter for pancakes

Flavored with fresh fruit, this fluffy butter is an ideal spread for pancakes, waffles, and other hot breakfast breads. It's easy to make: You simply sweeten butter or margarine with brown sugar or honey, add a little nutmeg, then blend in the pulp of a ripe peach or nectarine.

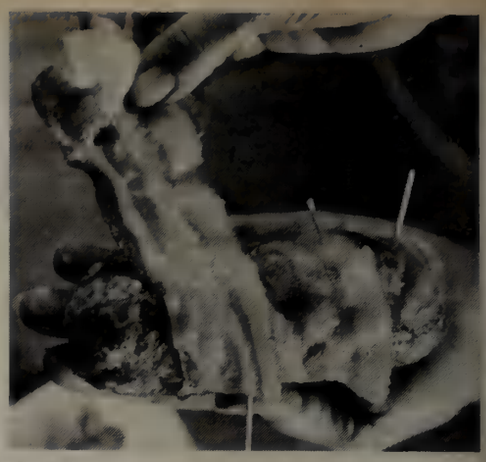
Fresh Peach or Nectarine-Flavored Butter

- ½ cup (¼ lb.) butter or margarine
- 1 medium-sized ripe peach or nectarine
- 1 teaspoon lemon juice
- 2 tablespoons packed brown sugar or honey
- ¼ teaspoon ground nutmeg

Let butter stand at room temperature about 30 minutes to soften slightly. Meanwhile, peel and pit the fruit, then mash or finely chop it; you should have ½ cup. Stir in the lemon juice to prevent discoloration.

In the small bowl of an electric mixer, beat butter until light and creamy. Add the sugar or honey and the nutmeg and continue beating until fluffy. With mixer on low speed, gradually add the mashed fruit, about a tablespoon at a time, beating well after each addition—butter will not be perfectly smooth. Cover and chill up to 6 hours ahead. Let butter stand at room temperature about 30 minutes before serving. Makes about 1½ cups. ☐

DARROW M. WATT



Spiral bacon *around ground lamb, secure with wooden picks, then grill. Offer cooked meat in warm tortillas and top with chile sauce, taco sauce, or yogurt, or a little of each. Serve with zucchini-corn casserole*

AUGUST MENUS

Barbecued lamb in a tortilla, a cold buffet, a carry-along breakfast

As August temperatures soar, the desire to spend time in the kitchen quickly dives. That's when you can take advantage of minimum-preparation meals that give you the option of doing in advance any cooking of more than a few minutes.

A hearty sandwich of some kind makes a neat solution on a number of occasions: When you plan a patio party, consider barbecued, bacon-wrapped ground lamb served in a warm tortilla; for a cold buffet, beef strips, marinated and broiled, go beautifully with pumpernickel bread and a variety of salad makings; and to start the day, we propose a grilled breakfast sandwich that's easy to assemble at home or carry along when cruising or camping on the weekend.

Lazy day barbecue

This easily assembled patio supper for six will appeal to both youngsters and adults on a warm summer evening.

Grilled Lamb Logs
Zucchini-Corn Combo
Warm Flour Tortillas
Taco Sauce Chile Sauce Yogurt
Tossed Green Salad
Oil and Vinegar Dressing
Frozen Yogurt or Ice Cream Cones

Early in the day, you can prepare the lamb logs, wrap them in bacon, cover them and refrigerate until needed; also combine vegetables for the casserole. Before you put the meat on the grill, add the egg mixture to the vegetables, then tuck the casserole into the oven to bake. Stack and wrap the flour tortillas in foil

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and heat in the same oven during the last 10 to 15 minutes.

Grilled Lamb Logs

- 1½ pounds lean ground lamb
- ⅓ cup finely chopped onion
- ¼ cup *each* fine dry bread crumbs and pine nuts or slivered almonds
- 1 clove garlic, minced or pressed
- 1 egg
- 1 teaspoon salt
- ½ teaspoon dry rosemary
- ¼ teaspoon pepper
- 12 slices bacon

In a bowl mix the lamb, onion, crumbs, nuts, garlic, egg, salt, rosemary, and pepper until well combined. Divide mixture into 6 equal portions and shape each into a log about 5 inches long.

In a frying pan over medium heat or in the microwave oven, partially cook the bacon to remove excess fat; bacon should still be limp. Wind 2 slices of bacon around each log, securing ends with wooden picks. If made ahead, cover and chill as long as 8 to 9 hours.

Place logs on a barbecue grill 4 to 6 inches above a solid bed of medium glowing coals. Turn as needed to brown all sides; watch closely for flareups from bacon drippings. Cook a total of 10 to 15 minutes, or until meat is no longer pink when slashed and bacon is crisp. Makes 6 servings.

Zucchini-Corn Combo

- 3 cups sliced zucchini, cut ¼ inch thick
- 2 cups corn, cut from the cob
- 1 can (4 oz.) diced California green chiles
- 1½ cups shredded sharp Cheddar cheese
- 3 eggs
- ½ teaspoon *each* salt and garlic salt

Arrange zucchini slices in a vegetable steamer. Cover and steam over boiling water for 4 minutes, or until just tender when pierced. Lift out and drain well. Combine zucchini, corn, chiles, and 1 cup of the cheese. This much can be done ahead; cover and set aside.

Beat eggs with salt and garlic salt; stir into vegetable mixture. Turn into a greased, shallow 1½-quart casserole; sprinkle with remaining cheese. Bake, uncovered, in a 350° oven for about 20 minutes, or until liquid in dish appears set and cheese is melted. Makes about 6 servings.—*R. P., Phoenix.*

Beef and salad buffet

The simple components of this meal make it especially easy to prepare and serve buffet-style.

For dessert, you might offer macaroon baked peaches (see Kitchen Cabinet recipe on page 111).

DARROW M. W

To make a *meal-in-a-sandwich, stack lettuce, pickled beets, and juicy marinat beef strips on buttered pumpernickel*

Sliced Beef in Wine-Caper Marinad
Potato Salad Pickled Beets Dill Pic
Pumpernickel Bread
Sliced Tomatoes Lettuce Leaves
Dry Red Wine or Iced Tea

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cooked beef. Prepare your favorite po tato salad or, if time is short, purchas a ready-made salad from a delicatesse Set out butter, a pot of mustard, an horseradish, if desired.

Then each person can construct his ow open-face or closed sandwich, or you ca omit the bread and assemble a cold me and salad plate.

Sliced Beef in Wine-Caper Marinade

For the marinade, combine ¼ cup whi wine vinegar, ⅓ cup salad oil, 2 tabl spoons dry red wine, 1 small onio (chopped), 1 teaspoon *each* salt and d mustard, ½ teaspoon tarragon, ¼ te spoon garlic powder, and 2 tablespoo capers (drained).

Broil a 1 to 1½-pound flank steak inches from heat; allow 5 to 6 minut on each side for rare. Place meat on carving board and cut across the gra in thin, slanting slices. Place slices, ov lapping, on a rimmed platter. Pour ma nade over all. Cover and chill up to days. Makes 4 to 6 servings.

Breakfast . . . in camp or aflo

Hot and hearty ham-and-egg sar wiches: You quickly assemble the then grill them in a frying pan, maki a compact, packaged breakfast for weekend outing.

Cantaloupe Wedges
Frying Pan Sandwiches
Coffee or Milk

If you keep the mixture well chilled, y can prepare the sandwich filling up t days before you plan to use it. Carry t filling and bread separately; then ma the sandwiches just before serving.

Frying Pan Sandwiches

- 1 package (3 oz.) sliced cooked ham
- 3 tablespoons thinly sliced green onion
- 4 hard-cooked eggs, coarsely chopped
- 1 can (4 oz.) diced California green chiles
- ¾ cup shredded jack cheese
- ¼ cup mayonnaise
- ¼ teaspoon *each* oregano leaves and ground cumin
- Salt and pepper
- Butter or margarine
- 12 slices whole wheat or French bread

Cut through ham slices in both dir tions to make ¼ to ½-inch squar Combine ham, onion, eggs, chil cheese, mayonnaise, oregano, cum and salt and pepper to taste. Pack i a plastic container and keep well chil as long as 2 days.

Lightly butter one side of each slice bread. Spread egg mixture on the unb tered side of 6 slices; top with remain bread, butter side up. Grill sandwic in a frying pan over medium heat u golden brown on both sides. Make sandwiches.—*F. V., Palo Alto, Calif.*

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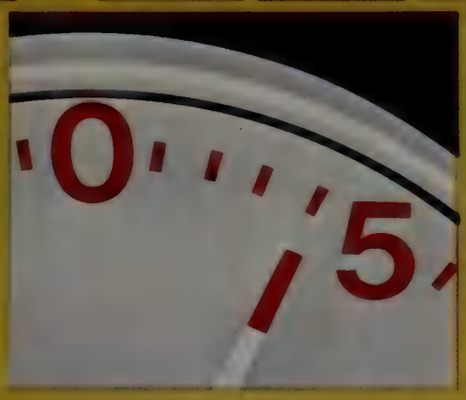

wait 4 minutes . . .

sprinkle on the streusel topping.

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2 Tbsp. grated cheese
Salt & Pepper to taste
2 Tbsp. onions (optional)
1 Tbsp. melted butter
Mix first three ingredients together well. Form mixture into patties. Broil or barbeque until done, brushing with melted butter. Serves 4.

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8-78

DARROW M. WATT

Spoon *creamy avocado sauce over pinwheels of spongy soufflé; jicama salad, ripe olives add to Mexican spirit*

From Mexico, an airy soufflé made in a jelly-roll pan

Mexican cooks, already renowned for many festive egg entrées, again show off their expertise with this puffy, rolled soufflé. The airy egg mixture is baked in a jelly-roll pan, then rolled around sautéed onions and green chiles. When served, each slice is crowned with an avocado-sour cream sauce.

Presented warm or at room temperature, it makes an impressive luncheon entrée on a warm summer day. To complement the soufflé's spongy texture, we propose a crunchy jicama salad and warm, soft, flour tortillas. Fresh strawberries or a compote of tropical fruits make a fitting dessert.

Baja Soufflé Roll

- 2 tablespoons salad oil or olive oil
- 2 large onions, thinly sliced
- 1 clove garlic, minced or pressed
- 1 can (7 oz.) diced California green chiles
- ½ cup all-purpose flour, unsifted
- 2 cups milk
- ¼ teaspoon *each* salt and ground cumin
- ⅛ teaspoon pepper
- 4 eggs, separated
- ½ cup shredded jack cheese
- 1 teaspoon sugar
- Avocado sauce (recipe follows)
- Pitted ripe olives

Heat oil in a wide frying pan over medium heat; add onion and garlic and sauté until onion is limp. Stir in chiles and set aside.

Line a greased 10 by 15-inch jelly-roll pan with foil. Butter foil generously, then dust with flour; shake out excess and set pan aside.

Place flour in a 2 or 3-quart pan. Very gradually add the milk, stirring co stantly with a wire whip until smoot Stir in salt, cumin, and pepper. Pla over medium heat and cook, stirrin until thickened. Lightly beat the e yolks, then beat in several spoonfuls the heated sauce. Stir egg yolk mixtu back into sauce, add cheese, and coo stirring, for 1 minute; set aside.

Beat egg whites until foamy, then a sugar and beat until moist, stiff pea form. Gently fold sauce into beat whites just until blended. Pour mixtu into prepared pan, spreading even Bake in a 325° oven for 40 to 45 mi utes or until golden brown and puffy.

Immediately turn soufflé out onto waxed paper-covered baking sheet; car fully remove foil. Spread onion mixtu evenly over soufflé. Using the paper support, roll into a compact cylinder. serve, cut roll into thick slices; pass av cado sauce to spoon over individu servings. Garnish with olives. Mak about 6 servings.—*J.W., San Francisc*

Avocado sauce. Peel, pit, and mash medium-sized avocado. Stir in 2 tabl spoons *each* lime juice and chopp green onion; 1 clove garlic, minced pressed; ⅓ cup sour cream; ¼ te spoon ground cumin; and salt and pe per to taste.

Jicama Slaw

Combine 4 cups peeled, shredded cama; 2 tablespoons lime juice; ¼ te spoon chile powder; and salt to tas Cover and chill 2 to 3 hours. Mak about 6 servings.

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GENERAL ELECTRIC

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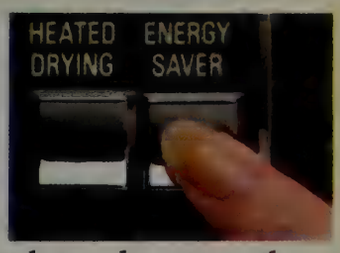

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THE APPLIANCES AMERICA COMES HOME TO.

GENERAL ELECTRIC

Today's cows and chickens differ. But livers? Hardly

Long ago, all land animals were allotted a collection of identical parts to construct themselves and their offspring. They retain these same parts to this day. But with that passion for originality for which flesh is famous, each has gradually altered itself.

Thus horses perch high upon a middle toe, while elephants plant their feet firmly and extend their noses. Cows have acquired more stomachs, whereas the chicken has converted its one into a kind of muscular stone quarry. Yet, one can find almost all the original bits in any animal. Even the boa constrictor, which has really gone too far, retains a pair of scales in memory of hind legs.

Therefore, it is comforting to come upon a liver. This hard-working organ has had little time to play games and, wherever one comes upon it, it remains recognizably itself.

Lieutenant Colonel Picarelli uses this conservative portion of the anatomy to prepare a simple and delicious dish.

Chicken Livers Picarelli

- 2 tablespoons butter or margarine
- 1 small onion, sliced
- ½ pound chicken livers
- ¼ cup all-purpose flour
- ¼ teaspoon *each* salt, pepper, and paprika
- ½ teaspoon dry basil
- ¼ teaspoon oregano leaves
- 1¼ cups regular-strength chicken broth
- Hot cooked rice

Melt butter in a frying pan over medium heat; add onion and cook until limp. Cut livers in half and dredge in mixture of flour, salt, pepper, and paprika; shake off excess flour mixture and reserve it. Add livers to pan and cook until browned on all sides. Stir in basil, oregano, reserved flour mixture, and then broth; cook, stirring, until thickened. Serve immediately over hot cooked rice. Makes 2 servings.

Rudolph R. Picarelli

Novato, Calif.

One does not have to study chemis to learn that a variety of mixtures p duce gas as one of their products. M a headache tablet with water or a p tician with some constituents and result is certain.

A released gas is often a help and sor times a necessity in cooking; cakes v not rise and champagne will not bub without it. Daniel Alexander obtains from that blend of flour, milk, and b teria called sourdough. He uses it to p up a batch of rolls, each with a surpr in its center.

Surprise Rolls

- ½ cup stone-ground whole wheat flour
- 2 tablespoons sugar
- 1 teaspoon soda
- ½ teaspoon salt
- 1 egg
- 1 cup sourdough starter
- 3 tablespoons melted butter or margarine
- Fillings: Swiss cheese in ½-inch cubes chopped dried apricots, dates*

Stir together the flour, sugar, soda, salt. Beat the egg and blend in the sta

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upper microwave oven res the General Electric ro-Thermometer™ control. insert and set the desired erature. The oven shuts utomatically when foods ooked. It also has digital control and gives you the ing flexibility of multiple er levels.

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APPLIANCES AMERICA COMES HOME TO.

NERAL ELECTRIC

and butter. Add egg mixture to dry ingredients and blend well. Quickly fill 12 greased 2 to 2½-inch muffin cups ⅓ full; add 1 cube cheese or 1 teaspoon fruit to each cup and top evenly with remaining batter. Bake in a 400° oven for 15 to 20 minutes, or until a wooden pick inserted in center comes out clean. Makes 12 rolls.

Los Altos Hills, Calif.

Corn adds different flavors, depending on the form you use. Cornmeal gives you one kind of dish, hominy grits another, and Mexican corn flour (dehydrated masa flour) a third. *Chef* Leo Thielke reaches for still another effect by adding crushed corn flakes to his muffin mix.

Corn Flake Breakfast Muffins

- About 3 cups corn flakes
- 1 cup baking mix (biscuit mix)
- 1 teaspoon baking powder
- ¼ teaspoon salt
- 4 tablespoons sugar
- 2 eggs
- 1 cup milk
- ¼ cup melted butter or ma[illegible]

Crush corn flakes; you should have 1 cup crumbs. Combine crumbs with biscuit mix, baking powder, salt, and sugar; add eggs, milk, and melted butter and beat just until blended. Pour into 12 greased 2 to 2½-inch muffin cups. Bake in a 400° oven until browned, about 20 minutes. Makes 12 muffins.

Mountain View, Calif.

"Chile with beef, fish, armadillo"

"There are probably as many variatio of chile as there are people in the gre Southwest. Some like it hot, some like mild, some with pork, chicken, or arm dillo. I have heard of chile with fi raccoon, or rabbit. This is my version rarely eat it fresh from the cooki since I find it better after 24 hours the refrigerator."

So says Tom Strothman, and here is chile. It is juicy and beanless, so y may want a few warm tortillas with it soak up the sauce.

Chile Strothman

- 2 pounds lean boneless beef stew meat
- ¼ cup salad oil
- 4 cloves garlic, minced or pressed
- 4 tablespoons chile powder
- 2 teaspoons ground cumin
- 1 can (4 oz.) diced California green chiles
- 4 cups regular-strength beef broth
- 1 cup chopped onion
- Salt

Trim excess fat and cut meat into inch cubes. Heat the oil in a frying p over medium-high heat; add the m and brown well on all sides. Add garlic, chile powder, cumin, green chil beef broth, and onion. Cover and si mer about 2 hours, or until meat is v tender when pierced. Season to ta with salt. Skim fat, if necessary, bef serving. Makes about 5 cups.

Sacramento

Summer squash is excellent when ad raw to a salad. *Chef* James Strie mixes slices of both zucchini and cro necks with more conventional sa ingredients to produce a colorful

"THIS 1937 GE REFRIGERATOR'S THE ONLY ONE MOM'S EVER OWNED. TO ME, THAT'S MONEY WELL SPENT."

– Elouise Prater

Jane Prater, Tyler, Texas

This General Electric 'Monitor Top' looks kind of funny today. But back when I bought it in 1937, it was real elegant.

And you know, it was one of the best buys anyone could make.

It's the only electric refrigerator I've ever owned, and it's sitting in my kitchen this very day, working away like it's always done. Still keeps the milk nice and cold, and the lettuce crisp.

It never needed any service, either, aside from replacing the gasket on the door.

My family teases me about it, but I simply can't replace this faithful friend.

The salesman who sold it to me still lives here in Tyler. I saw him the other day and I shook his hand. "Mr. Atwood," I said, "it's still working."

Elouise Prater, Temple, Texas

My mother-in-law's old 'Monitor' really influenced our choice. And I grew up with my own mother's GE refrigerator. She had it 30 years.

We've had so many GE appliances that have lasted and given great service, well, to me, the name General Electric means dependability.

So even though I looked at some others, I knew this beautiful GE side-by-side was the only refrigerator I wanted. I like getting ice cubes and crushed ice and chilled water without opening the door.

Inside, there's lots of room. And adjustable glass shelves that are easy to clean. Automatic defrosting, of course. Even a separate temperature control for my meat bin.

I expect it will last and last, like that 'Monitor' of Jane's. I can't imagine a better value.

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GENERAL ELECTRIC

Snackers of America, sneak no more!

Instead of sneaking those snacks that are low in nutritional value and high in calories, reach for something that's as wholesome as it is delicious.

Sun Giant Almonds are crunchy, crisp and absolutely delectable. And packed with lots of good stuff like protein, vitamins and minerals.

If you want a snack, don't sneak around. Reach boldly for Sun Giant Almonds and munch proudly.

SUN GIANT ALMONDS®
Western, Natural and Country Style

Tenneco West, Bakersfield, CA 93309

The Un-Sneaky Snack

delicious combination he is pleased call California Squash Salad.

California Squash Salad

- ¼ cup sliced or slivered almonds
- 1 avocado, pitted, peeled, and cubed
- 1 tablespoon lemon juice
- 1 cup cherry tomato halves
- 2 medium-sized zucchini, thinly sliced
- 2 medium-sized crookneck squash, thinly sliced
- ⅓ cup pimiento-stuffed olives, sliced
- ½ cup bottled Italian salad dressing
- ⅛ teaspoon garlic powder
- ½ teaspoon salt
- ¼ teaspoon pepper
- Crisp lettuce leaves

Spread nuts in a shallow pan; toast in 350° oven until golden, about [illegible] minute Set aside.

Toss avocado cubes gently with lem juice and add tomato. Cover and chi Mix zucchini, crookneck, olives, sal dressing, garlic powder, salt, and pepp cover and chill.

When ready to serve, gently combine t two mixtures, place on a bed of lettu then sprinkle with almonds. Serves 6.

James L. Street
Tucson

Some colors have limited appeal foods. Blue is tempting only in the bl berry or plum. Black appeals mainly licorice-lovers and gourmets who go for Basque octopus soup. Tom K hopes to change all that with his rec for black bread stuffing. If you quail fore it, shut your eyes: It's really goo

Black Bread Stuffing

- 3 tablespoons butter or margarine
- 1 small onion, chopped
- 3 stalks celery with tops, chopped
- 4 medium-sized mushrooms, chopped
- ⅓ cup regular-strength chicken broth
- 1½ teaspoons poultry seasoning
- ⅛ teaspoon *each* garlic salt and pepper
- 2 teaspoons dry basil
- 6 slices dark rye bread, in ½-inch cubes
- 3½ to 4-pound whole broiler-fryer chicken

Melt butter in a frying pan over medi heat; add onion, celery, and mushroo and cook until onion is tender. A broth, poultry seasoning, garlic s pepper, basil, and the bread; stir gether until liquid is absorbed. Stuff n and body cavities of chicken; ske cavities closed.

Place chicken, breast-side down, o rack in a shallow roasting pan. Ro uncovered, in a 350° oven for 30 m utes; turn breast up and continue roast 45 minutes to 1 hour longer, until a meat thermometer inserted thigh registers 185°. Serves 4.

Tom Ki
Stonyford, Cali

One way or the other

. . . you may never make another pie from scratch.

on's frozen cream pie looks so light and mon cream, Banana, Coconut, Chocolate . . . cream pie flavors, taste so rich it's almost No preservatives. No work. Just thaw and

er you give 'em for dinner . . . a Johnston's ie dessert will make your family think they're guests.

GRAHAM CRACKER Ready-Crust®

from "the Dessert People" Johnston's®

is made to Fill 'n' Eat. So anything you like can be pie. Try this beautifully easy, cool for summer . . .

GRASSHOPPER PIE RECIPE

1 Johnston's graham cracker Ready-Crust® Pie Crust

1 (8 oz.) package cream cheese, softened

1 (14 oz.) can **Sweetened** Condensed Milk (not evaporated milk)

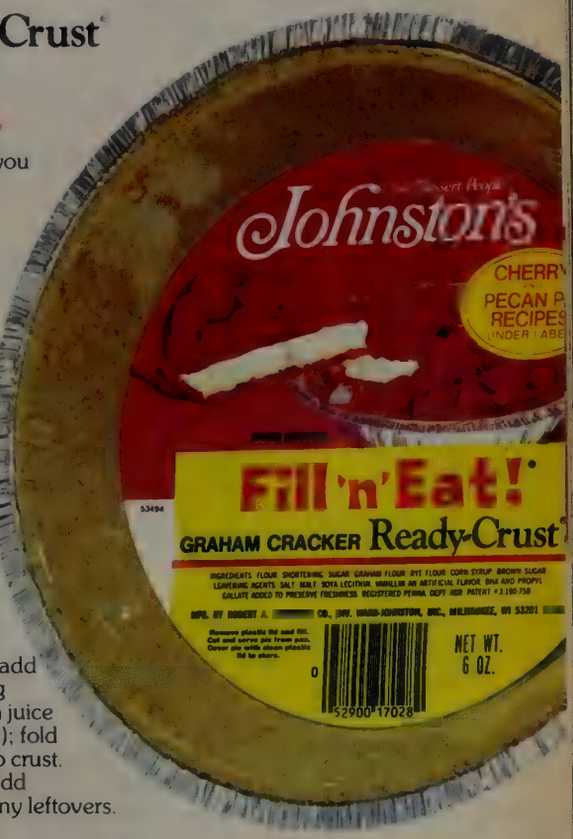
⅓ cup lemon juice

½ cup green creme de mentne

9 oz. frozen non-dairy whipped topping, thawed

Chocolate curls or crushed peppermint candies for garnish

In large mixer bowl, beat cream cheese until light and fluffy. Slowly add **sweetened** condensed milk, beating until smooth. By hand, stir in lemon juice and creme de menthe (no sampling); fold in whipped topping. Lightly pile into crust. Groove soft waves design on top. Add garnish. Chill 2 hours. Refrigerate any leftovers.



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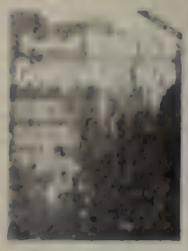

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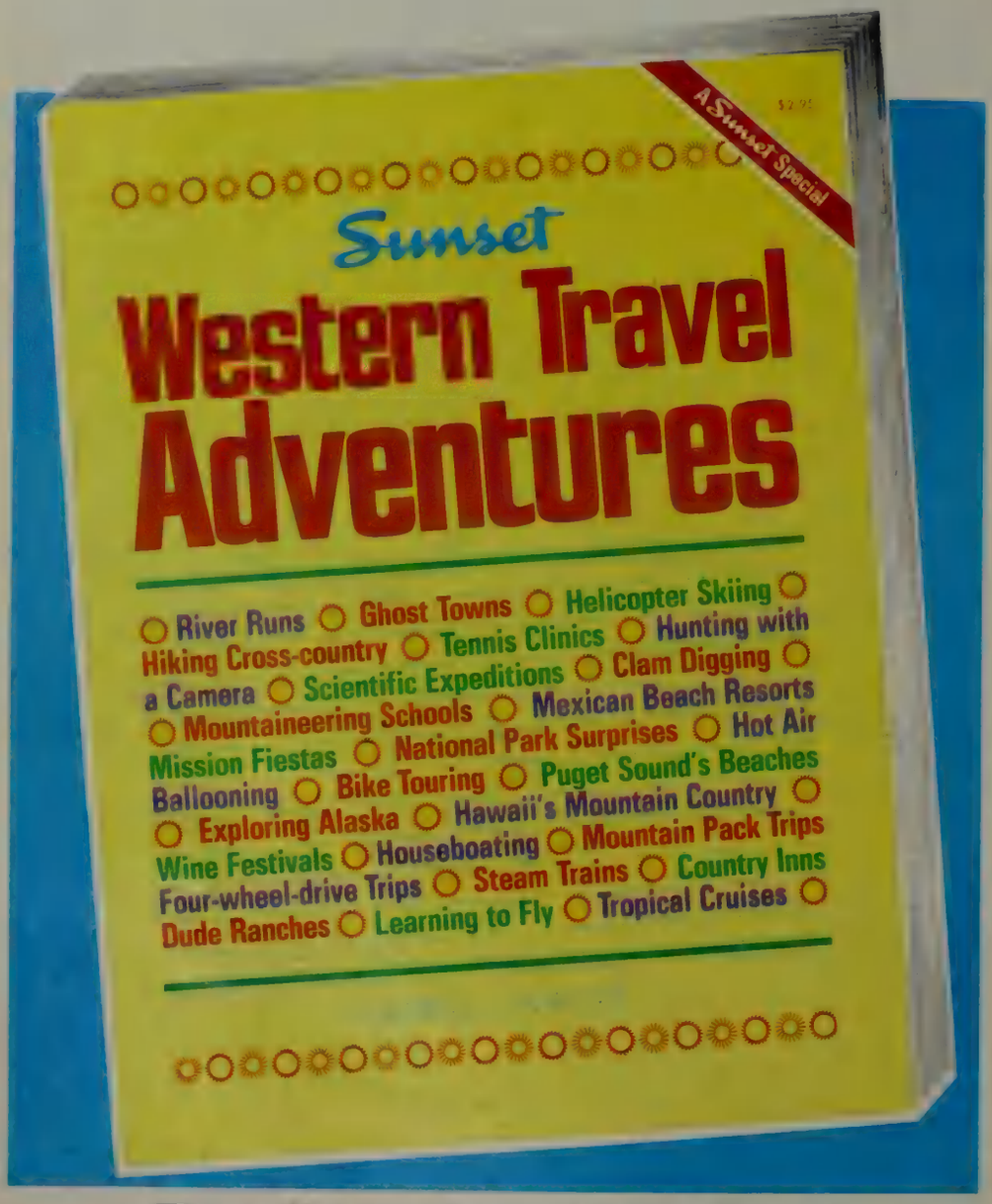
Sunset's newest—the family guide to great weekend and vacation adventures. More than 200 pages packed with details on what, when, where, why, and how much



Re-discover the West

From *Sunset* comes an information-packed annual magazine to help you and your family discover the West all over again. The West's foremost travel reporters have assembled a new weekend and vacation source book—a where-to-go guide to some of the West's great experiences! *Western Travel Adventures* has more than 200 pages and more than a thousand specific listings on country inns and old hotels, ghost towns, theme parks, wilderness pack trips, wild (and mild) river excursions, cruises, farm and ranch vacations, tennis camps, great special events (rodeos, races, music festivals, fairs, fiestas), steam train rides, four-wheel-drive trips, houseboating, bicycle tours, mission and wine festivals, Alaska, Hawaii, Mexico—and more!

At bookstores and newsstands—$2.95

DARROW M. W

Blender transforms *strawberries, banana ice, and yogurt into cool summer drink*

Try whirling fruit, ice, yogurt

Just by whirling fruit, yogurt, and in a blender, you can make frosty dri that are tasty, nutritious, and low in ories. Each recipe makes 2 or 3 se ings. You can use either whole-m yogurt or low-fat yogurt.

Strawberry-banana smoothie. In blender, whirl until smooth: 1 cracked ice, 2 cups strawberries, large banana (sliced), 1 cup unflavo yogurt, and 3 to 4 tablespoons sugar.

Peach frosty. In a blender, combin cups sliced peaches (fresh or parti thawed frozen), 1 cup *each* cracked and unflavored yogurt, ¾ cup milk drops almond extract, and 2 to 3 ta spoons sugar; whirl until smooth.

Tropical cooler. In a blender, whirl u smooth 1 can (8 oz.) unsweetened p apple (drained), 1 cup *each* unflavo yogurt and cracked ice, 1 ban (sliced), and 1 to 2 tablespoons suga

Papaya refresher. Peel, halve, and 1 large papaya. Cut in pieces and c bine in a blender with 1 cup cracked ice and unflavored yogurt 1 to 2 tablespoons sugar. Peel and tion 1 small orange, then coarsely c and add to blender. Whirl until smo sprinkle with ground nutmeg.

We spiced and cured
our finest cuts of meat
in the style of a sausage
from the Isle of Crete,
aged it forty days
until the flavor
was full and mature,
called it Hard Salami
and then somehow...
...we hid it.

What a find!

Oscar Mayer

Oscar Mayer Hard Salami.

For unique serving ideas send for: "The Art of Cold-Cutting,"
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Model RR-10

Amana, the household name for quality microwave ovens, brings you yet another first in microwave oven technology.

The Amana Touchmatic II Radarange Microwave Oven.

Amana Touchmatic II is so versatile . . . so advanced . . . so unbelievably automatic . . . yet as simple to use as 1-2-3.

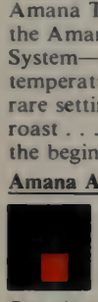
It cooks by time. It cooks by temperature —at the power level you select. It cooks by time and temperature in any combination— at any power level you select.

It's the next generation of microwave ovens.

The Amana Automatic Temperature Control "System"

Amana Touchmatic II Radarange features the Amana Automatic Temperature Control System—a complete system of cooking by temperature that is so precise, a medium rare setting will give you a medium rare roast . . . every time. And that's just the beginning.

Amana Automatic Temp Hold



Amana Touchmatic II includes Automatic Temp Hold, an important part of the "System" that performs two amazing functions.

One, it will maintain an internal meat temperature and hold it for extended periods. It's perfect for holding all kinds of foods, casseroles and soups at serving temperature, too.

Two, holding at exact temperature actually improves meats. Provides more even cooking and browning. Makes meats more moist and tender.

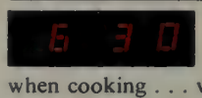
Amana Touchmatic II . . .The Smartest, Most Automatic Microwave Oven

Amana Touchmatic II can be programmed to "remember," so you can cook foods using the best techniques for perfect results.

Amana Touchmatic II is so automatic you can program it when you leave home to start later on and have dinner ready when you return.

Cookmatic™ Power Levels put you in full control of everything you cook . . . let you cook the way you're used to. It offers you a wide range of Cookmatic Levels or cooking speeds. You can even change speeds as you cook. Or, you can set cooking programs to change cooking speeds automatically.

The Most Advanced Timer and Clock



Amana Touchmatic II displays a digital temperature readout when cooking . . . when it finishes, a buzzer sounds and the time of day is displayed.

PROVEN SAFETY After passing a series of torture tests, Amana became the only manufacturer of microwave ovens to be granted a U.S. Government exemption from the regulation requiring the display of a safety warning label. This applies to Amana models RR-10, RR-9, RR-8, RR-7 and RR-7D.

See a demonstration at your Amana Retailer or write Ann MacGregor, for further information, at Amana Refrigeration, Inc., Dept. 700, Amana, Iowa 52204.

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BACKED BY A CENTURY-OLD TRADITION OF FINE CRAFTSMANSHIP.

Amana Refrigeration, Inc., Amana, Iowa 52204 A Raytheon Company

Hearty minestrone with soybeans

A versatile and economical protei source, soybeans are also an excellen carrier for other flavors. Here we us them for a summer vegetable soup.

This hearty soup is made with dry soy beans, which you cook at home, o canned soybeans (often available i stores carrying natural foods). Serv with a generous sprinkling of grate Parmesan cheese.

To cook dry soybeans (recipe can b doubled, if desired): Rinse 1 cup soy beans and place in large bowl with cups water. Cover and soak 6 to 8 hou or overnight. Drain. Pick through bea and discard loose fibrous skins.

Combine the beans and 3 cups water a 1½-quart pan; bring to a boil, the reduce heat, cover, and simmer 3 hou or until beans are fully tender. Drai Makes about 2½ cups.

Soybean Minestrone

- 3 tablespoons olive oil or salad oil
- ½ cup brown rice
- 1 large onion, chopped
- ¼ pound mushrooms, halved
- 1 cup thickly sliced carrot
- ½ cup *each* chopped green pepper and celery
- 1 can (about 28 oz.) tomatoes, including liquid
- 2½ cups cooked soybeans or 2 cans (about 15 oz. *each*) soybeans, rinsed and drained
- 5 cups water
- 7 vegetable or beef - flavored bouillon cubes
- 1 teaspoon *each* rosemary and oregano leaves and dry basil
- ½ teaspoon *each* thyme leaves and summer savory
- ⅛ teaspoon cayenne
- 1 cup dry red wine (optional)
- 1 cup thickly sliced zucchini
- ½ cup chopped parsley
- Grated Parmesan cheese

Heat oil in a 4 or 5-quart Dutch ov over medium-high heat; add rice, oni and mushrooms and cook, stirring f quently, until golden. Add carrot, gre pepper, celery, tomatoes; stir to break tomatoes. Add soybeans, water, bouill cubes, rosemary, oregano, basil, thyr summer savory, and cayenne. Stir in cup of the red wine, if desired.

Bring mixture to a boil, then decre heat and simmer for 40 minutes, stirr occasionally. Add zucchini and co about 8 minutes or until zucchini tender to bite. Stir in remaining ½ c wine, if desired, and sprinkle with pa ley. Pass Parmesan cheese to add to dividual servings. Makes 4 quarts

P.C., Menlo Park, Calif.

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Sunset's newest—the family guide to great weekend and vacation adventures. More than 200 pages packed with details on what, when, where, why, and how much

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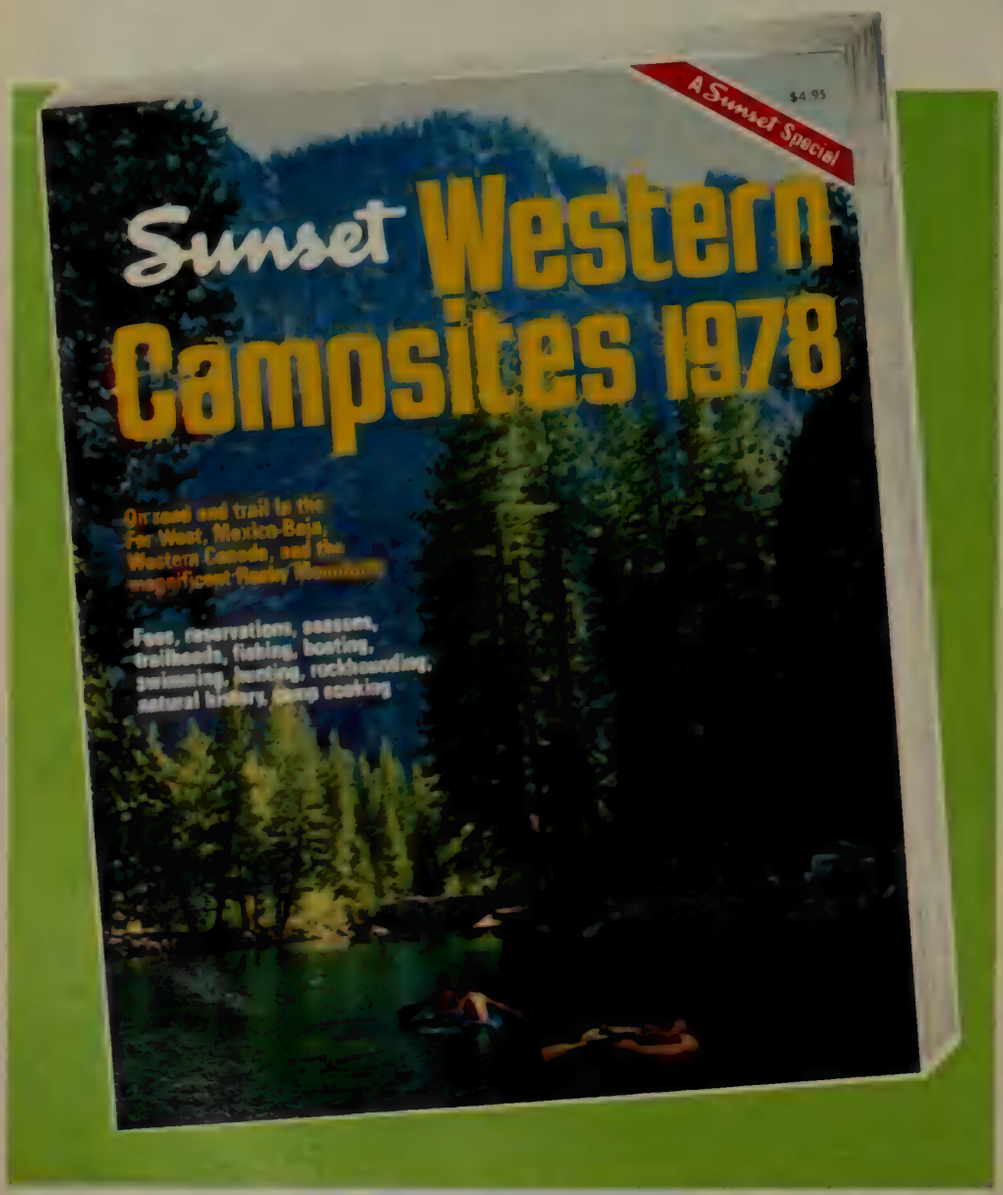
The West's most popular guide for RV and tent campers—over 400 pages, more than 9,000 campgrounds. It helps you find the right spot!



Helps you find the right spot

Finding the right spot means everything when you head outdoors. It can assure you a great experience instead of disappointment. *Sunset's 1978 Western Campsite Directory,* completely revised and updated, helps you plan the best possible trip. It pinpoints 9,000 campgrounds and RV parks on locator maps, tells all about facilities, fees, attractions, and surrounding country; gives phone numbers and mailing addresses where reservations may be made; and provides ideas and directions for dozens of great discovery trips you can take as you travel the West. The new edition covers campgrounds from the Rockies to the Pacific, from Alaska to Mexico, in over 400 pages. It's the most popular, most useful guide you can own!

At bookstores and newsstands: $4.95

DAVID STUR

The crowning touch *is parsley*

Rabbit simmers in mustard sauce

French cooks have a certain love f rabbit. They often prepare it with creamy mustard sauce—with amp sauce to spoon over noodles or rice. It's also satisfying made with chicke

Tender Rabbit Dijon

- 3 tablespoons olive oil or salad oil
- 1 large rabbit (about 3 lbs.) or broiler-fryer chicken (about 3 lbs.), cut in serving pieces
- Salt and pepper
- 1 teaspoon garlic salt
- ¾ teaspoon rosemary
- ½ teaspoon oregano leaves
- ¼ teaspoon *each* tarragon and sage leaves
- 6 tablespoons flour
- 2 or 3 medium-sized onions, peeled and cut in half
- 2 cups dry white wine
- 1½ tablespoons Dijon-style mustard
- 1 cup half-and-half (light cream) or milk
- 2 to 3 tablespoons chopped parsley

Heat oil in a 6 to 8-quart Dutch ov over medium-high heat. Add rabbit chicken pieces; sprinkle lightly with s and pepper and cook, turning, un browned on all sides, about 10 minut

Sprinkle in the garlic salt, rosema oregano, tarragon, sage, and flour; tu meat to coat evenly. Stir in wine and a onion. Cover and simmer, until meat tender, about 45 to 55 minutes.

Spoon meat and onions into a servi bowl and cover tightly with foil. Bri wine broth to boiling. Add mustard a light cream and cook, stirring, until m ture thickens, about 10 minutes. A salt and pepper to taste.

To serve, pour about ½ cup sauce o the meat and onions and garnish w parsley. Serve remaining sauce in a s arate dish to spoon over noodles or ri Serves 4.—*N. P., Saratoga, Calif.*

Is it true what they say about Opel?

Robert Hestenes
"I would much prefer to stick with a Buick dealer than with any other dealer, simply because I've had such good luck with them."

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"I've been very favorably impressed with the solidity of the car."

Judith Wilcox
"It's great on gas. It's a roomy car for being such a small car. It's fun to drive and comfortable."

Gregory Kimmons
"It's peppy, and I like it. It's sporty. That's what I wanted and that's what I got."

those kind words are music to our ears. But rest sured, all these nice people aren't just heaping praise our little Opel just to brighten our day.

Nope. Opel earns its accolades. By delivering what romises. Workmanship. Room for 4 adults. Good e. Quick, responsive maneuverability. And el offers good mileage, too. The avail- le 5 speed manual, hout air condition- , is EPA estimated 42 mpg highway, city. Your mileage will y depending on how and where you drive, the car's condition and how it's equipped. EPA estimates are lower in California.

If you'd like to find out more about Opel, there are over 700 Buick/Opel dealers who would be overjoyed at the chance to tell you all about it.

Or better yet, just ask a friend who owns one. He'll no doubt lead you to pretty much the same conclusion all these people came to.

you're looking for a great Japanese car, look for a great American name.

BUICK

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Who are the Gibson Girls? They're the thousands of women who look to Gibson when they look for a new refrigerator. Women who appreciate the quality, durability and trouble-free service that Gibson builds into its products.

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Gibson Appliances

Made to be beautiful, made to last.

Gibson Appliance Corporation, Greenville, Michigan. One of the White Consolidated Industries

Brunch, supper, or breakfast... puffy frittata with sprouts

n sprouts abound in this puffy baked ata. Serve it hot or at room tempera- at a summer brunch, light supper, earty breakfast.

fy Sprout Frittata

- ¾ cup sour cream
- 10 eggs
- 1 teaspoon salt
- ¼ teaspoon pepper
- 2 teaspoons dry basil
- 2 tablespoons chopped parsley
- ⅛ teaspoon cayenne
- 3 tablespoons butter or margarine
- ½ cup chopped green onion, including green tops
- ¼ pound mushrooms, sliced
- ½ pound bean sprouts
- 4 or 5 slices bacon, cooked until crisp (optional)
- ¼ cup grated Parmesan cheese
- Tomato slices and parsley sprigs

a large bowl, beat the sour cream l smooth; then add the eggs, one at me, beating until blended; mixture will be the consistency of egg whites. Stir in the salt, pepper, basil, parsley, and cayenne; set aside.

In an 8 to 10-inch frying pan with an ovenproof handle, melt the butter over medium heat and add green onions, mushrooms, and sprouts. Cook, stirring, until sprouts are tender, about 5 minutes; remove from heat and stir in egg mixture. Crumble bacon, if used, and add to pan. Sprinkle top with cheese.

Bake frittata uncovered in a 375° oven until puffy and set in the center, about 20 minutes. Serve it hot or at room temperature, garnished with tomato slices and parsley sprigs. Makes 6 servings.

If you don't have a frying pan with an ovenproof handle, start with a regular frying pan and transfer frittata to a greased, heated 2-quart (about a 9-inch square) baking dish to bake. □

DARROW M. WATT

Hearty frittata *is made with eggs and bean sprouts, then baked in an ovenproof frying pan that you can bring to the table*

dden Valley Ranch® now gives you two ways to enjoy the same delicious taste.

With Milk.

The New Way. Just take our secret blend of herbs and spices and mix it up with mayonnaise and milk. You'll wind up with that same fresh, creamy, delicious-tasting salad dressing people have enjoyed for years. And you don't have to buy the buttermilk because it's already in the package.

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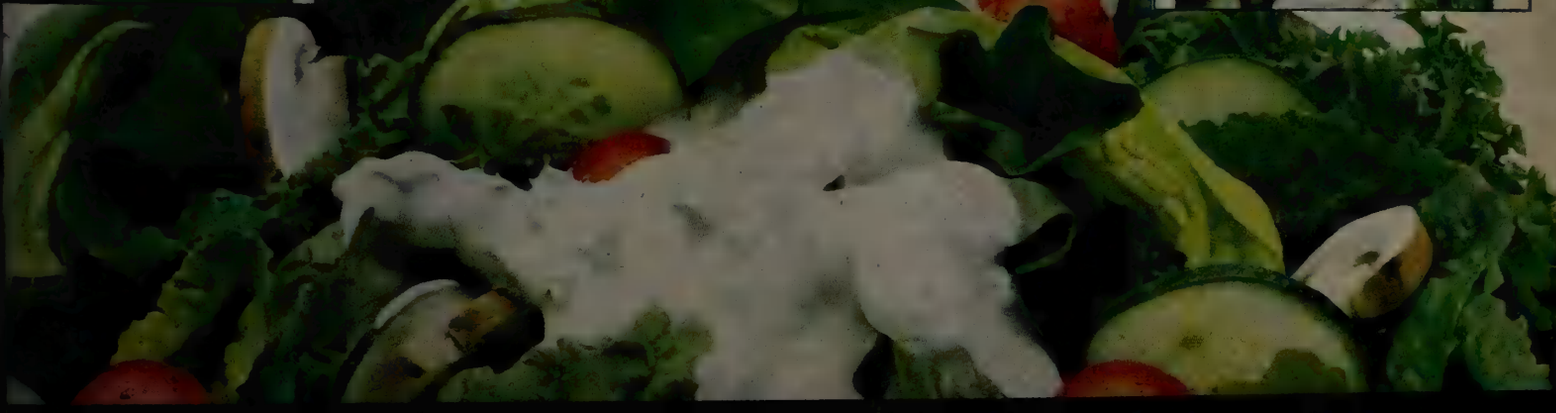
Same delicious taste, any way you mix it.

With Buttermilk.



Poached peaches . . . sweet, tender, ready to go into special desserts

Steeping in flavored wine *or orange juice, poaching peaches get turned just once*

DARROW M. W

Tender-sweet poached peaches, *topped with a dollop of lemon-almond cream cheese, receive final crowning of red raspberries at the table*

Peaches that are slightly underripe can be put to delicious use by poaching them in wine or orange juice. The gentle heat cooks the peaches (or nectarines) just enough to make them tender—but not mushy—and brings out their natural sweetness and flavor.

The peaches are very good served alone, chilled in the poaching liquid. And with just a few simple additions they become memorable desserts.

Here we suggest serving poached peaches with some special combinations: lemon cream cheese and raspberries; ice cream and chocolate sauce; ice cream, melted currant jelly, and toasted almonds.

Poached Peaches

Dip 4 to 6 medium-sized, slightly underripe freestone peaches (or nectarines) in boiling water, one at a time, for about 20 seconds. Rinse in cold water, cut in half, peel, and pit. Turn halves in lemon or orange juice to prevent discoloration.

Meanwhile, into a 12-inch frying pan pour 1 cup Sauterne (or other slightly sweet fruit wine or cream sherry—or ½ cup *each* orange juice and water). Add 2 or 3 thin orange slices (peel on), 1 cinnamon stick (about 2 inches long), 3 whole cloves, and ¼ cup sugar or honey. Simmer, stirring, until sugar or honey is dissolved.

Place peaches, cut sides down, in a single layer in the pan. Cover and simmer very gently until fruit is heated through, about 5 to 8 minutes; during this time, turn fruit once. Remove pan from heat; chill fruit in poaching liquid.

Serve the peaches plain or in any of the ways suggested below; you'll have 4 to 6 servings.

Raspberry-cheese peaches. Thaw 1 package (10 oz.) frozen raspberries and allow 2 small packages (3 oz. *each*) cream cheese to come to room temperature. Beat the cheese with ⅓ cup sugar, 1½ teaspoons grated lemon peel, and ¼ teaspoon almond extract. (Cover and chill, if made ahead.) For each serving, place 2 chilled poached peach halves in a dessert glass or dish. Spoon a dollop of the cheese mixture into the center of the peach halves, then spoon some the poaching liquid over each servir Pass thawed raspberries and their jui at the table to spoon over each servir

Chocolate sundae peaches. You'll ne about a pint of vanilla or butter pec ice cream, 1 can (5½ oz.) chocolate-fl vored syrup, and about 4 ounces cho olate-covered hard toffee candy ba coarsely crushed. For each servir place 2 chilled poached peach halves a dessert glass or dish, spooning sor of the poaching liquid over them. T with a scoop of ice cream and sor chocolate syrup, then sprinkle gen ously with crushed toffee.

Almond-currant peach sundaes. You need about a pint of vanilla ice crea ½ cup red currant jelly, and about cup toasted sliced or slivered almon Heat the currant jelly, stirring, ur melted. For each serving, place 2 chill poached peach halves in a dessert gl or dish, spooning some of the poachi liquid over them. Top peach halves w a scoop of ice cream and some of t heated jelly. Sprinkle with almonds.

Bake 'em easy.
Tyson Rock Cornish Game Hens.

Quick and Easy.

Cornish Hens Steamed in Foil

4 Cornish Hens, thawed
For each Cornish Hen:
1 square of foil, 16 inches at least
½ tsp. salt
few grindings pepper
¼ tsp. sage or thyme
1 sprig parsley
1 to 2 tsp. butter

Preheat oven to 350 degrees. Season each hen with salt, pepper, sage or thyme. Place in foil, lay a sprig of parsley on top of hen and wrap securely in foil. Place hens on baking sheet or in baking pan. Place in oven for one hour.

Remove hens and raise heat to 425 degrees. Carefully open foil (watch out for escaping steam) to expose hens. Brush with butter and return to oven to brown for five to ten minutes.

Serve hens with juices accumulated in foil.

Write for free Cornish Hen recipes: Tyson Foods, Inc., Department A, Springdale, Arkansas 72764

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Tyson is never out of season. Tyson

UGUST IN YOUR GARDEN:

Still time to plant or get ready for fall planting. Or just take a breather

ery gardener can benefit from at least month out of the year in which to e a breather of sorts, and to take ck of what lies ahead. The garden y benefit, too.

gust is such a month. It represents ransition between two seasons lively ugh to challenge the most energetic dener: the late spring to midsummer ravaganza just coming to an end, and big fall planting campaign that ally moves into high gear right after or Day.

the color-hungry gardener who sed the earlier planting time and 't wait until the cool-season annuals available in September, there's still e to set out bedding plants for late mer and fall. Very soon, you can out cole crops and sow seeds of coolther vegetables for winter and early ng harvests.

ou're a provident gardener, take time lear borders and beds in preparation fall planting. Pull out spent annuals vegetables, cut or pull weeds, rake leaves and fallen fruits. Don't com- any material that is diseased or har- insects, or contains weed seeds. A n garden is a healthy garden.

out watering—and overwatering

ently, in talking to a farm advisor serves three large northern California counties, we learned that many gardeners have reverted to pre-drought watering patterns. Once again, water flows along street curbs long after adjacent lawns, flower and shrub borders, and parking strips have been saturated.

Overwatering is self-defeating: It wastes a precious and increasingly costly resource, and it can kill many kinds of plants, particularly in poorly drained soils during the summer months. It's especially damaging to native California shrubs, such as ceanothus and manzanita, and to junipers, many of which come from the Mediterranean area and Asia Minor. These and other dry-climate evergreen shrubs, which are accustomed to going without summer water in the wild, are highly susceptible to crown and root rots caused by water-mold organisms that flourish in warm, moist soils at this time of year.

To reduce chances of damage, water these plants during the first dry season only. In following years, well-established plants can grow with whatever water they get during the rainy season or draw from the subsoil during the dry periods.

green checkerboard

oving baby's tears
hick and lush between
concrete pads in summer-hot
na, thanks to sun protection
d by a two-story house
outh and west sides, and
head screen (not shown)
ut during midday. Owners
and Margaret Metcalf also
very other day, usually
prinkler, sometimes with
ng garden hose. In most
n California gardens, baby's
n get along without
ade. The Metcalfs haven't
carpet back
ars, and feed it
nes a year with
gth fish emulsion.

Black leaf spot on Chinese elms

If leaves on Chinese elms have black spots and if twigs have died back, suspect anthracnose, a fungus disease. At this time, all you can do is clean up diseased leaves and prune out infected parts of the tree. Fungicides, used only as protectants, are most effective when applied in late winter or early spring just as new growth appears.

Bearded iris: divide and multiply

Except in hottest areas, this is a good time to divide bearded iris and set out rhizome divisions for bloom next spring. Plant in full sun in cooler areas, in light shade in warm climates. If drainage is poor, raise the planting area 4 to 6 inches above the surrounding ground level. The photograph at right shows proper spacing and positioning of rhizomes to avoid future crowding or open-centered clumps. Top surfaces of rhizomes should be exposed to sun and air. After planting, water enough to settle roots, then repeat at two-week intervals (just enough to keep the soil moist) until rains start.

Sunset's GARDEN GUIDE

Are your fruit trees bearing mummies?

This summer, largely due to last spring's continuing rains, apricots, peaches, plums, and other stone fruits have been severely damaged by brown rot, a fungus disease. Soft brown areas in affected fruits are soon covered with ash gray to light brown mold (technically, spore tufts). Rotted fruits fall to the ground, others remain on the tree, then shrivel and become hard, dry, wrinkled—at this stage they're called mummies.

To reduce next season's attack, collect diseased fruits from the ground and the trees, place them in plastic bags, and deposit them in the garbage can. It's also a good idea to remove blighted or gummy twigs from the trees.

Sanitation before, during, and after harvest is extremely important because brown rot fungal spores on fruits lying

DARROW M. WATT

Set iris rhizomes *a foot apart with growing (leafy) ends facing in same direction, tops just slightly above soil*

Sunset's GARDEN GUIDE

STEVE W. MARLE

White oleanders *make an easy-to-grow, 12-foot screen along one side of a private driveway*

on the ground or left on the trees go on living through the winter—and then are swept upward on air currents in spring to reinfect the trees.

Next spring, spray the trees with benomyl plus captan at the red-bud, popcorn (white, partially open bud), and full bloom stages.

Amazing colchicum

Later this month you can watch a fascinating bit of plant magic as small growth tips on colchicum corms shoot upward and into flower in a matter of three weeks or so. The corms are available during their brief dormant period in late summer or early fall.

Simply set the corm as is on a windowsill; or set it upright in a bowl on a 2-inch layer of pebbles, or in bulb fiber (available in nurseries), and fill with water to the base of the corm.

When the corms finish blooming, plant them in a sunny spot with their tips about 3 inches below the soil's surface. Broad, glossy green leaves will appear next spring and die back by June. After a six to eight-week rest, flowers will poke through the soil.

Lift and divide the corms when they become crowded—in three or four years.

Springing into bloom, *lavender or white colchicum flowers, to 6 inches high, rise from unplanted corms*

Easy-care oleander

Long before the 1975-77 dry spell drew the attention of Western gardeners to drought-tolerant plants, the oleander had earned a reputation as a shrub that got along just fine, once established, with little or no watering.

The 500-foot-long hedge in the photograph above has not been watered by its owners since the first year after it was planted 10 years ago. Other than from rains, the only water it has received in the remaining 9 years has been gratuitous; there's a sprinkler system installed in a school playground on the other side of a chain link fence now completely covered by the hedge.

Planted 8 feet apart, the oleanders form a tight mass of intertwining branches that have never been pruned—and still produce an incredible mass of flowers year after year.

AUGUST CHECK LIST: *Here are the mid to late-summer jobs*

☐ **Annuals for late-summer color.** You can still plant bedding (fibrous) begonias, celosia, impatiens, French or dwarf African marigolds, phlox, portulaca, verbena, *Vinca rosea* (*Catharanthus*), and Thumbelina and other dwarf zinnias. Cut back leggy, spring-planted petunias to force new growth, then water and feed for a second bloom.

☐ **Azaleas, camellias, and rhododendrons.** If you missed the July feeding, fertilize with acid plant food (the last application until growth starts in spring).

☐ **Bulbs.** Colchicum corms will be available later this month (see column at left). Plant cyclamen—both the large-flowered florists' and small-flowered, hardy kinds—while tubers are still dormant. Near the coast and in coastal valleys, set out rhizomes of bearded iris; in hottest areas, wait until fall.

☐ **Chrysanthemums.** Give them lots of water during summer, but take care not to overwater in heavy, poorly drained soils. During the warmest weeks, potted chrysanthemums may need water every day. Feed with liquid fertilizer until buds show color. Disbud large-flowering kinds, leaving one bud to a stem.

☐ **Deciduous fruit trees.** Clean up and destroy rotting fruits lying on the ground and remove any rotted or dried fruits still hanging on the tree.

☐ **Lawns.** Irrigate deeply at regular intervals to promote good growth, yet conserve water. To reduce infection from fungus diseases, water in the morning so the grass will be dry by nightfall.

☐ **Roses.** Water, feed, and replenish mulch. Remove faded flowers and dead wood, but wait until the end of the dormant season before you do any major pruning.

☐ **Sweet peas.** For midwinter bloom in mild climates, sow seed of early-flowering bush types, such as Bijou and Knee-Hi, and of the vining type, Early Multiflora. Next month, in milder areas, you can buy sweet pea plants growing in small pots.

☐ **Vegetables for winter and early spring.** Set out small plants of broccoli, Brussels sprouts, cabbage, cauliflower, celery, lettuce, and parsley. Near the coast, sow seeds of beets, onions, peas, spinach.

☐ **Watering.** Water according to individual needs of plants. Container plants, lawns, and trees and shrubs that are not yet fully established need regular watering until the weather cools.

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CF-184

Dealing with the two cousin worms that chew up corn and geraniums

Rare glimpse *of tiny young geranium budworm, shown about four times life size. Budworms usually stay inside unopened buds; flowers then open distorted or do not open at all*

How do you handle the corn earworm and geranium budworm, two closely related troublesome pests in the West? *Sunset* found some answers by posing the question to farm advisers, entomologists, pesticide chemists, growers, biocontrol experts, and home gardeners.

The nature of the beasts

These pests (heliothids is a good general term) are the caterpillars of two buff-colored moths (*Heliothis*), each about 1½ inches across the wings. The caterpillars are greenish white with a black head when young, becoming pale green or pinkish to dirty brown when older (the food plant often affects their body color). Darker stripes or similar markings run the length of the body. You probably won't actually see the caterpillar though—only its granular droppings outside its entrance hole in the plant.

Both caterpillars satisfy their appetites with more than one plant. Because the corn earworm feeds on tomatoes too (also cotton—not a home-gardener worry), it's sometimes called tomato fruitworm and cotton bollworm. Beans, calendulas, and dozens of other plants fill out the earworm's menu.

The geranium budworm is a relatively new pest of geraniums here in the West, and an even newer foe of our petunias. Its Old South bill of fare includes tobacco and cotton.

One peculiar habit of these moths, and a clue to how to control them, is their lunar mating cycle. Apparently disoriented by bright light, the night-flying moths lay no eggs on the night of the full moon, the night preceding, and the night following. For the succeeding week, however, the moths do lay eggs, which hatch within another week.

Between each full moon and the following new moon, then, is when these pests are most vulnerable—once the caterpillars eat their way into the corn husk, tomato skin, geranium bud, or other shelter, there's very little you can do. You'll get the best control when you synchronize your control program with this cycle.

Biological controls

Observation of wild and cultivated plants has shown that natural enemies and diseases destroy between 50 and 75 percent of the heliothids. To supplement these natural controls you can release trichogramma wasps (egg parasites) during the first week after the full moon. Or you can release young lacewings during that week to handle the eggs or during the following week to get at the newly hatched larvae.

You can mail-order wasps and lacewings from Bo-Biotrol, Inc., 54 S. Bear Creek Dr., Merced, Calif. 95340; California Green Lacewings, Box 154, Banta, Calif. 95304. Only the wasps are available right now at Rincon-Vitova Insectaries, Inc., Box 95, Oakview, Calif. 93022. Your nursery may be able to order them for you.

During the second week a spray with a *Bacillus thuringiensis* preparation will control the young larvae. This material is effective against these pests on geraniums and tomatoes but not so effective on corn. Don't expect the caterpillars to die immediately; although they stop eating, they remain on the plant, slowly moving about until they starve to death. Nurseries sell *Bacillus thuringiensis* as Thuricide, Dipel, and Biotrol.

Chemical controls

Still the most commonly recommend control is Sevin (carbaryl) dust. Ho ever, *repeated* use has resulted in pes cide-resistant heliothids. And use of can destroy the natural enemies. Sev is especially not recommended for plan in bloom since it kills bees and oth beneficial flower visitors.

Geranium growers (commercial a amateur) have had some success wi systemics (di-syston, meta-systox-R, C thene). As with all chemicals, read t labels on these products carefully.

Mechanical controls

Hand-picking is the ultimate in sele tive controls. Pick off and destroy wh ever creatures you're lucky enough see—usually the older caterpillars geraniums or petunias. Hole-ridd flower clusters should be destroyed.

Cultural controls

These involve variety selection and ea planting—things too late to think abo this year. But next year, you can pla your corn early (March or April) avoid the later-emerging moth. Se companies offer corn varieties with hus tight enough to keep out worms.

If you want to grow geraniums, ke this in mind: Whereas common gera ums (*Pelargonium hortorum*) suffer fr geranium budworm, Martha (or La Washington geraniums or pelargoniu (*P. domesticum*) and other species, cluding scenteds, are seldom if e bothered.

If you'd rather not worry about hel thids at all, earlier planting dates a different varieties may be the ro for you.

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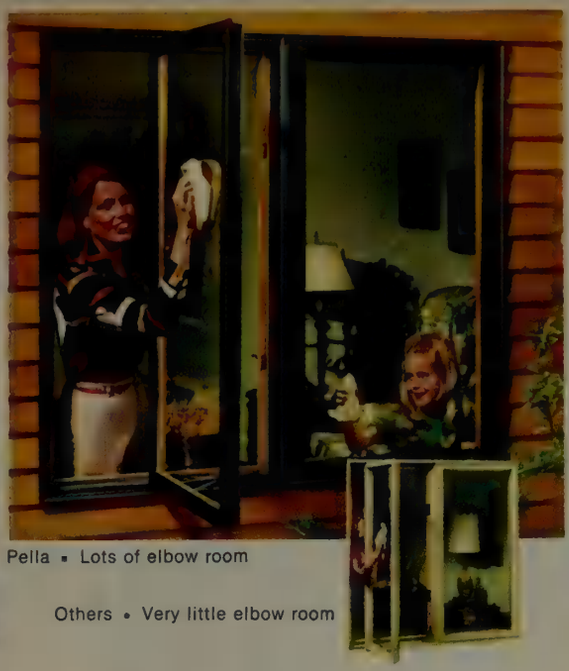

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NORMAN A. PI

Miniature *daylily (left) is 3 inches wide; standard is 6 inches*

Planting time for daylilies

Have you stopped to admire daylilies a friend's garden or public landscapin If you contemplate planting some your own, August is a good month do so except in the hottest desert c mates; even there you can plant the in partial shade. If you live where wi ters are cold, this is the last month f safe planting.

Here are some suggestions to help y select and plant daylilies:

Nurseries may sell named varieties they may sell merely by color. The l burst of bloom passed in July, but a f flowers may still appear. If you find daylily in full bloom, chances are th it is a rebloomer—one that blooms mo than once in a season.

Daylily specialists speak of two class —in addition to standards—that m need definition: miniature and tet ploid. Miniatures, sensibly enough, ha smaller flowers than standard variet (3 inches in diameter or smaller). Th also tend to be shorter than standa (seldom over 30 inches tall) and ha narrower leaves. Tetraploids are mu tions (natural or induced) that oft have unusually heavy flower texture.

All daylilies are excellent cut flowe Each individual bloom lasts a day (w few exceptions), but buds continue swell and open for many days.

If you plant daylilies in light shade, member that blooms face toward sun; they will look away from your p ture window, not into it. For more no on daylily handling, see page 150 of August, 1977 *Sunset*.

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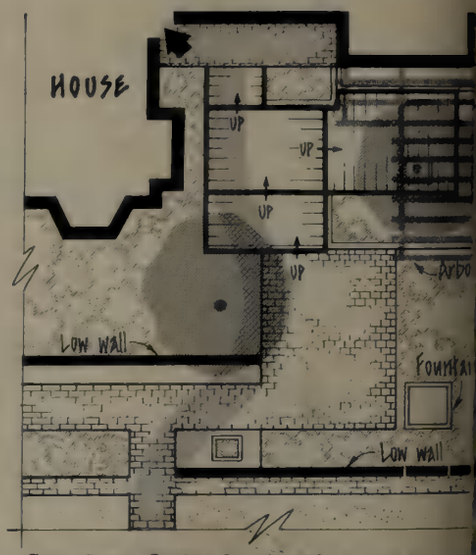
BILL R

Welcome spot *on a hot day. Old magnolia and sycamore shade new brick and wood terraces; new pergola supports wisteria, hanging plan*

Before, *at left, an undistinguished exterior. Now, at right, low wall dramatizes hospitable front garden. Cut-out in far right corner of the wall offers a streetside glimpse of small, night-lighted fountain and pool*



Step-down decks, *brick walks, and terrace replace old steps and curving path (in gray*

New front terrace for an old Spanish house in Pomona

With this new entry courtyard, landscape architect-owner Rod Tapp created a spacious garden room from what had been an open, uninviting front yard.

A few years ago, when the Tapps bought their 50-year-old Spanish-style home in Pomona, California, the garden had little to offer: a few overgrown shrubs around the house and a formidable stretch of unused lawn, largely gone to weeds. Two handsome old trees, a magnolia and a sycamore, provided pleasant shade, but beneath them there was no place to sit but the ground.

Now the new brick terrace and low-stepped wooden decks, edged with shrubs and planting beds, give fami and friends plenty of shady space whe they can socialize, as well as a place grow flowers and vegetables.

In summer, the Tapps like to serve di ner on their terrace: Outdoor spotligl illuminate trees, wisteria, and a sm garden pool (not shown in photograph

The stucco-and-brick wall, whi matches the stucco walls of the hou was built 42 inches high—high enou for privacy, but low enough to avc creating a "walled-in" feeling.

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WILLIAM FAU

The beetle, *left, is a dirty yellow color, ½ inch long. Larva, top, is yellow and black. Cluster of orange eggs is right of center*

Elm leaf beetle: what to do?

In summer of 1925, larvae of the leaf beetle—a European native—be eating the leaves of elm trees in West, and the damage has contin ever since. If you have American, C nese, English, or Scotch elms, look signs of damage now: skeletoni leaves, with only veins and top cut intact. In the worst cases, the trees n be defoliated.

After three years of defoliation, the usually dies; but even moderate dam weakens the tree and makes it more s ceptible to Dutch elm disease, which recently become established in so parts of the West.

Trouble begins when the beetle co out of hibernation in the spring at time elm leaves are starting to unf Adult beetles eat holes in the leaves lay eggs, from which larvae hatch fo 15 to 20-day eating spree. Then the vae drop to the ground, pupate, emerge as adults. In low elevation ar of California, four or five generati can reproduce in one year.

If your elms are only lightly dama by elm leaf beetles, don't do anythi Natural predators are controlling th for you. But if most leaves are sk tonized, spray the entire tree with Se You may have to repeat treatment la if heavy reinfestation occurs.

If your tree is small, you can do the yourself with a hand-pump or hose- sprayer. For large trees, hire a tree se ice ($17 to $30 for one large tree).

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o ahead, give the little guy a test run. Call toll-
—(800) 845-4366—for the location of your nearest
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ho knows, you may just go riding off into the
et together.

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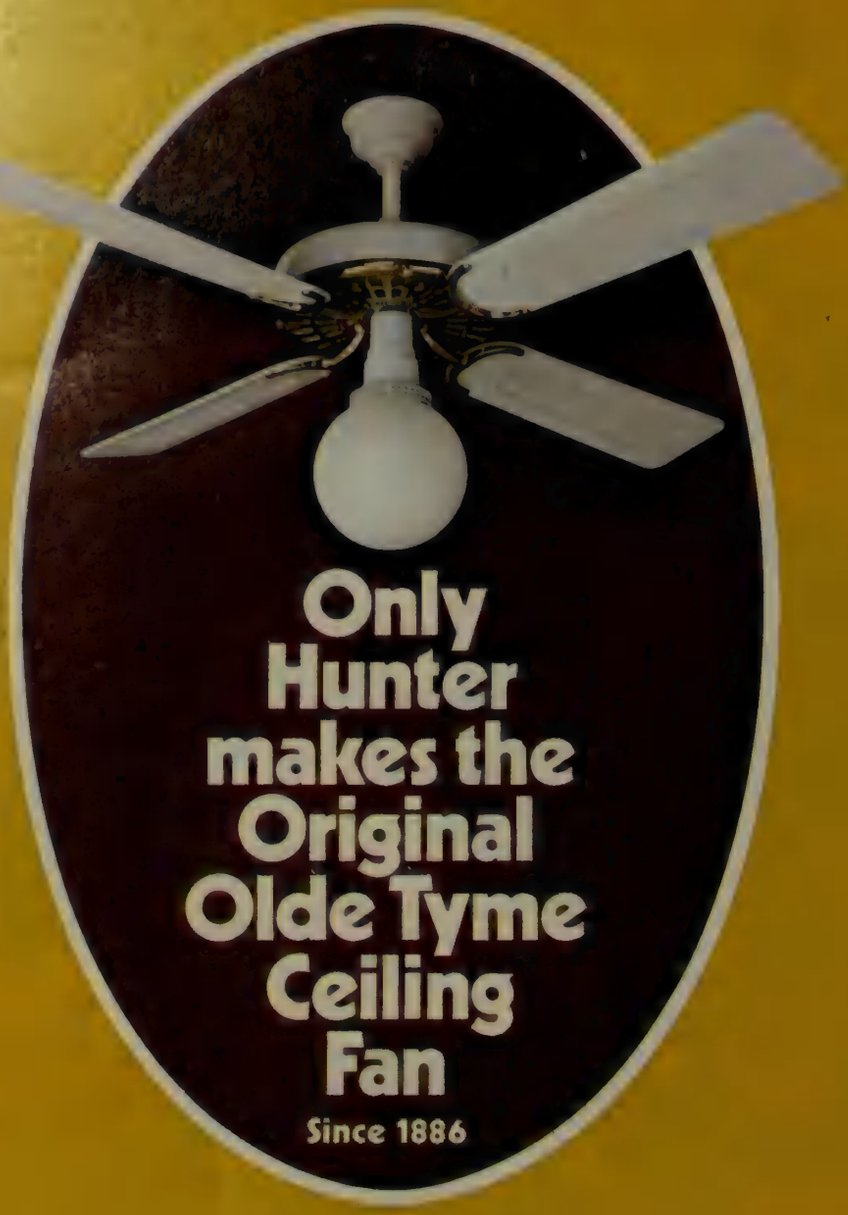

You work hard to decorate your home. Don't spoil the effect with an imitation ceiling fan. Hunter has been around since 1886 and they were the first company to make the authentic ceiling fan, the one shipped to India, Africa and the rest of the world at the turn of the century. Your decorating deserves an original, a modern day energy saver.

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We'll also send you a special consumer report that shows you how much energy you can save year 'round with your Hunter original.

Saving your owr vegetable seeds

How worthwhile is it to collect and s your own vegetable seeds?

If you prefer to economize and be so what self-reliant, many crops have se that are easily gathered and reliable.

You can usually count on these: be (except limas); peas; tomatoes; pep (though sometimes hot and mild c cross-pollinate); okra; sunflowers; rots; lettuce.

Many others are easy to collect, but cause they cross-pollinate freely v different varieties growing within a q ter mile or so, results of your next ye crop are highly uncertain.

Collecting from highly hybridized va ties is often disappointing—their s usually revert to a less-improved fo If certain crops are frequently trou by disease in your area, or if maxin yield and peak quality are of utr concern to you, then you should pr bly stay with commercial seeds of ne hybrids.

Collecting the reliables

Select seeds only from exceptionally orous, healthy plants with high, ab average-quality yields. Tag their r perfectly shaped fruits or pods for sa (some also remove all but the first perfect fruits or pods on each bract).

Bean, pea, and sunflower seeds sh be left to dry on the plant as lon possible. Put a paper bag over sunf ers when close to maturity to pr them from birds and to catch fa seeds. If any of these plants are n dry when damp fall weather arrives just the seed head or pods. If still gr try to pull entire plants and hang brittle-dry in a protected place. T separate the seeds and sort for pe specimens.

Tomato, pepper, okra, or any c vegetable-fruit seeds: Harvest when ripe, scrape seeds into trays, and dr a warm, well-ventilated place in pa shade. Stir pulpy seeds occasionall hasten drying. Most of the pulp flake or rub off when completely dry

Seeds that form in clusters in fo heads, such as carrots, shatter easily often ripen unevenly. Clip off cluste they change to a darker color, and on paper indoors. Blow away chaff w seeds are dry.

When seeds are thoroughly dry, l package, and store them in a cool, place. Most kinds stay viable for r than one season.

SU

Surf Lessons.

joy. Plan your Hawaiian vacation for any of the four fine iter Island Surf Resorts and you'll never have to be ncerned about how to spend your evenings. Each of the sorts offers a choice of great restaurants. Each has ppy, happy hours and hideaway lounges, dinner shows d discos, and music for South Sea romancing. At a Surf Resort u can be sure you'll be beside the ocean in the heart of Hawaii, and at your vacation fun will not set with the sun.

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RICHARD DAWS

Shady corner *is brought alive by colorful potted cinerarias*

Elegant and demanding daisie

Imperial purples and royal blues are t chief colors of florists' cinerarias, alo with Victorian mauves, wines, and pin Contrasting bands of white give many these elegant daisies a wide-eyed lo and emphasize their rich color and v vety texture.

Then why don't you see more of the

Frankly, they're not easy to grow. Th need rich soil, shade, humidity, and c temperatures—especially at night and flowering time. And yet they can't ta frost. In the desert and Southern Ca fornia, they're winter and early spri border or container plants. Inland, whe frosts are likely, plant them under ov hangs or cover when frosts threaten.

In northern California, consider cine rias late winter and spring bloomers. the fog belt they may bloom in alm any season, but inland plant to bloo between the end of bulb season and t onset of summer heat. In the co summer Northwest plant outside in ea spring. In the Rocky Mountains co sider them as cool greenhouse plants.

Cineraria seed is available through m seed catalogs; some offer several strai Sow this month to set out plants in O tober. Prepare pots of rich, poro sterilized soil or growing mix and sc ter seed thinly over the surface. Lea uncovered or sprinkle with a thin co ing of sand. Hot days or a warm gre house (to 80°) will bring germination 10 to 14 days. Don't hurry to transpla since many of the choicest colors co from late-sprouting seeds.

Move seedlings into flats or pots. eight or nine weeks, set them out plant in 6 or 7-inch pots.

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It is wind-up month. Watering, mulching, cleanup, digging up, and just enjoying

ust signals the approaching end of growing season in mountain gardens, n your thoughts may begin to wan- on to the rewards of next year.

while your mind looks ahead, your cles must perform now. There's lots atering to do, and plenty of clean- you can also renew mulches and dig divide perennials and bulbs.

—test for a happy medium

lity and alkalinity are measured by scientists call the *p*H scale, with ings from 1 (maximum acidity) to naximum alkalinity). A neutral con- n is 7.

ntain soils usually fall on the al- e side of the scale (not so desirable) often take a little work to make productive. Adding organic mat- peat moss, leaf mold, compost) to oil is the most efficient remedy, but ndments such as gypsum, sulfur, sul- acid, or sulfate compounds also You can check the *p*H of your soil a simple test kit, available at most eries. Or check with your nearest ultural experiment station for de- of their soil test service.

ng for volunteers

ur artistic senses don't require care- laid out flower beds, you may want to let your existing annuals and biennials sow themselves.

Some of the most dependable reseeders that will spread their wealth are calendula, California poppies, annual candytuft, Canterbury bells, cynoglossum (Chinese forget-me-not), gaillardia, linaria, marigold (small, single-flowered), and sweet alyssum (white).

Other annuals that reseed themselves may bear offspring that won't look like the parents you planted. Petunias usually revert to smallish lavender or magenta stragglers. Large, fully double marigolds produce single or semidouble flowers if they set seed at all. Rosy and purple-shaded sweet alyssum have mostly lanky white progeny.

Potentilla profile

Easy to find, easy to grow, and easy to propagate—just a few of the attributes of our native deciduous shrub, *Potentilla fruticosa.* Wild and cultivated varieties abound, ranging from compact to spreading forms, with near white to deep gold flowers.

When propagating, make divisions from dormant plants or take cuttings in the spring. If you don't care whether the new plants look exactly like the parent, collect seeds now to plant early next spring in a cold frame. □

Sunset's MOUNTAIN GARDEN GUIDE

DON NORMARK
Potentilla fruticosa *is 2 to 4 feet high, with dense, feathery foliage*

MOUNTAIN GARDEN CHECK LIST: *Here's what needs doing*

☐ **Divide bulbs, perennials.** Where beds are crowded, dig and divide crown imperial fritillary, daylily, foxglove, bearded iris, madonna lily, Oriental poppy, peony, Shasta daisy, strawberry.

☐ **Fertilize for the last time.** Some plants can use a feeding now: late-blooming annuals, chrysanthemums, dahlias, hardy asters, established lawns, strawberries, and tomatoes. Where early frosts are a threat, do not fertilize azaleas, rhododendrons, roses, and other woody plants after the middle of the month.

☐ **Order for fall planting.** In mildest areas, check mail-order catalogs or local nurseries for fall planting items: azaleas and other shrubs, perennials, fall and spring-blooming bulbs.

☐ **Sow seeds of biennials, perennials.** Plant these from seed: aquilegia, catananche, coreopsis, delphinium, gloriosa daisy, Shasta daisy, Canterbury bells, centaurea, foxglove, hollyhock.

☐ **Water.** Give most plants plenty of water this month. Provide long, slow waterings; measure if need be to make sure that water reaches at least 6 inches deep in flower beds. If you're in an area subject to early frosts, reduce watering of woody plants. If warm weather is still expected, check mulches and add more if necessary, to help retain moisture.

DON NORMARK

Rough-cut *rock path meanders through a stand of birches along a hedge in Ann Johnson's garden, Flagstaff, Arizona*

BILL ROSS

DAVE CAVENDER

For garden paths, stone is naturally elegant . . . crushed, cut, graded, or as is

Stone can add a natural elegance nearly any pathway—and keep you h and dry when summer watering drenc the rest of your garden. All you have do is choose the right stones for the j But don't start in a stone yard.

To discover what you really need, w over every path in your garden and cide how each is used. For examp those that lead to the front door, from the house to the garage, are se public paths. As such, they should broad enough for two people to w side by side, and sloped rather tl stepped to make moving househ

Loose gravel? *This walkway, designed by Tom Matsuoka for the Eaton Ballards of Pasadena, is really concrete-aggregate*

Jagged-edged flagstones *in jigsaw pattern give interest, variety to this iris-bordered utility path designed by Joseph Bramlette for the J. W. Griffiths of Santa Fe, New Mexico. It's broad and flat enough for wheelbarrow traffic*

Steppingstones *of oro verde are set directly into native soil in Helen Mills' garden path, Mission Viejo, California*

Smooth-topped stones *in a curving frame of gravel pave side path in this Los Angeles garden*

NORMAN A. PLATE

Colorful Mexican river stones *rest on a bed of sand bounded by benderboards in this path installed by the Robert Thompsons of Costa Mesa, California*

goals in or out easier.

Utility paths are in the same class, though they can be a bit narrower. They must give you, your wheelbarrow, and your power equipment access to working garden and storage areas.

For both semi-public and utility paths, choose relatively flat, solid stones and lay them close together. Pattern, shape, and color can make them interesting. If you like the look of smaller stones, use a solid aggregate; loose gravel scatters and is difficult to roll heavy garden equipment over.

Narrower, less utilitarian paths are inherently more intimate. They invite you to walk into a garden and linger awhile; you use them more for the trip than the destination. For them, gravel, steppingstones, or loose-laid flagstone, with low ground covers or mosses filling in between, seem appropriate.

If you're laying out new pathways, keep in mind that perfect circles and rectangles are more formal; meandering, curving paths more casual.

Build a slight arch or crown into each path for drainage, and take care that new paths don't interrupt established drainage patterns to become dams. □

PAUL B. GERSTEN

Island-like *native rocks cross stream in Marguerite Hossler's Claremont, California, garden*

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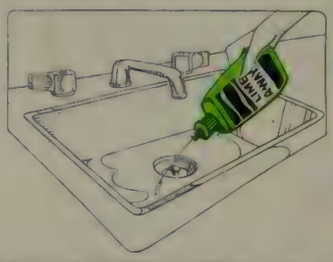

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DON NORMA

House side *of mound offers privacy, view*

Streetside wall *keeps mound; plants will camouflage it*

A green mound edits the view

This mound gives Mr. and Mrs. Gunt Preiss a different outlook on the wo Without it, their house would face s urban scenes of Fremont, California. stead, they have a view of plants, tr and hills that gives a feeling of being the country.

Plants on the mound were chosen need minimal water or other attenti Mr. Preiss worked compost into the before planting in spring three years a Then he poked cuttings of succulents rectly into the ground without preroot them. The 3-foot-tall ones around tree trunk are *Crassula tetragona;* low growing plants include an assortment sedums and aloes. Hollywood juni Japanese black pine, and trailing r mary came from gallon cans. The la trunk belongs to a blue cedar that on the site before building.

Now that the plants are established, owners water about every two weeks occasionally cut off limbs or shoots t get out of proportion. No other car necessary.

As plants mature, they'll spill over soften the look of the 4-foot retain wall that supports the steep slope.

How to keep the cost of running a home down to a walk.

With energy prices continuing to rise, the best way to keep costs down is to buy a home that uses less energy. Like one that displays the Energy Conservation Home sign, which tells you that a lot of energy-saving features are built into the house, whether it's new or remodeled.

These days, new homes have to meet local, State and Federal (FHA) insulation and weatherstripping requirements. But Energy Conservation Homes go a lot further. Each has a combination of special, built-in energy-saving features, such as dishwashers with "off" switches for the drying cycle; water-saving faucets, toilets and showerheads; pilotless ignition gas ranges; energy-efficient water heaters; fluorescent lighting; insulated hot water piping; set-back furnace thermostats; or clogged-filter indicators on heating or cooling systems.

The features included in each home will vary, but here's how the program works. PG&E awards points for each installed conservation feature. And builders must achieve a minimum of 50 points to qualify a dwelling as a PG&E Energy Conservation Home, and to display the sign.

Because so many people are demanding energy conservation, builders are beginning to get the message.

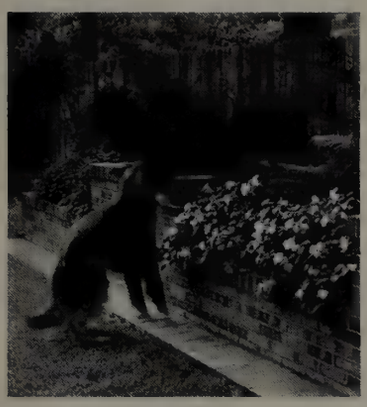
The time for careless consumption of energy is over. It's too expensive, and we can't risk running out of it. And a good time to make sure energy costs don't eat you out of house and home, is when you buy.

PG and E

No one can afford to waste energy.

MAN A. PLATE
om the deck, *you look out on a small carpet of lawn (15 by 19 feet)—big enough for dog, small enough for easy upkeep*

npact garden *is 50 feet wide, eet from house to back fence*



Raised brick beds *protect impatiens, Japanese yews from cavorting dog*

Bench around *tree-of-heaven holds collection of palms moved outside for summer*

New deck-garden for old Denver house

It's designed for entertaining. Deck is at indoor floor level

l for entertaining, this small Denver en was remodeled to lure guests out- Kitchen and dining room open onto -shaped deck leading to a patch of edged with brick walks and raised . Generous new steps join the deck and garden, providing ample sitting space; the edge of the raised bed alongside the garage was widened to 16 inches to double as a built-in bench.

The garden is also dog-proof. Owner John F. Kelly asked landscape architect Jane Silverstein Ries to design it with Casey, his exhuberant Irish setter, in mind. As a result, petunias, impatiens, and other fragile plants were put into raised beds or containers.

The garden was shaded by one very large and two smaller trees-of-heaven (*Ailanthus altissima*). Called weed trees by many, they're well suited to city conditions, so Ries decided they should remain. For variety, she planted an equally hardy goldenrain tree (*Koelreuteria paniculata*) between the two sets of steps leading from deck to garden. Under it is a ground cover of bishop's weed (*Aegopodium podagraria*), a tough, deciduous perennial best confined as it is here by a wide brick walk. □

nove *easily from deck to garden. ed at right has for sitting*

FRONTIER

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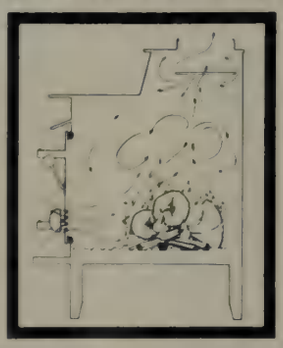
Frontier: The wood stove for all reasons.



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RUSS A. WIDSTRAND

Resembling a cactus *right down to the spines, African milk tree is dark green with lighter marbling. Small leaves may drop if plant is moved or under-watered*

Milk tree is prickly sculpture

Not all that prickles is a cactus. T African milk tree (*Euphorbia trigon* has spines and succulent stems like cactus, but is completely unrelated.

This cactus look-alike makes an exo living sculpture—growing indoors an where, outdoors in frost-free areas. can grow 4 to 6 feet high; try to give warmth and bright light, and allow soil to go quite dry between waterin Use some care in placing it—its spin can snag clothing and its milky sap m be poisonous.

Though the African milk tree is widely available, it's worth looking f Try good house plant stores or cact and succulent dealers.

Model shown: 12 foot Crystalaire® $174.95

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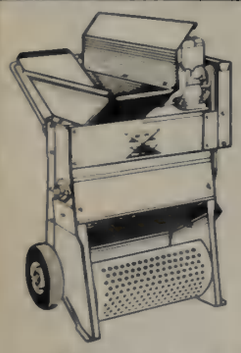

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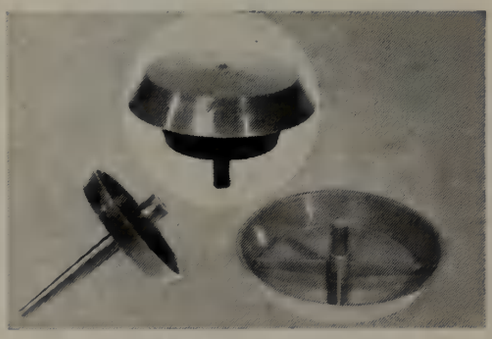

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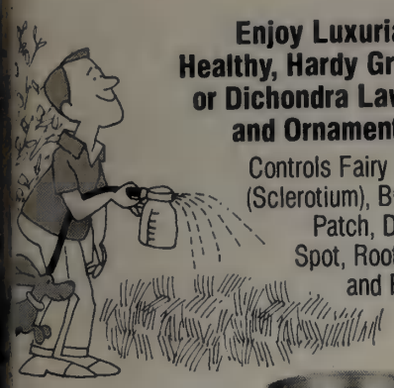

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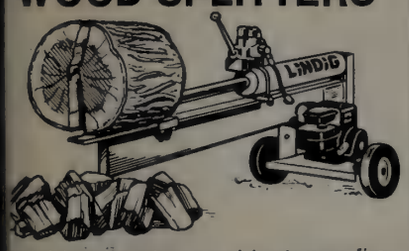

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NORTHERN CALIFORNIA

Napa. August 2 through 6. Floral displays and poultry exhibits in separate buildings at the Napa Town and Country Fair. Place: Napa District Fairgrounds, 575 Third St. Hours: noon to 10 daily. Admission: $2; ages 7 through 12, 75 cents; 6 and under, free.

Santa Rosa. August 5. Annual show presented by the Santa Rosa branch, American Fuchsia Society. Place: Luther Burbank Art and Garden Center, 2050 Yulupa Ave. Hours: 11 to 4. Free.

San Jose. August 10 through 20. Floral displays and poultry exhibits at the Santa Clara County Fair. Place: Fairgrounds, 344 Tully Rd. Hours: 10 A.M. to 11 P.M. daily. Admission: $2.50; ages 7 through 17, $1; 6 and under, free. Plant material will be shown in the Floriculture Area; chickens will be in the Poultry, Pigeon, and Rabbit Building.

Santa Cruz. August 12. "How to Select and Operate a Mini-farm" presented by the University of California Extension, Santa Cruz. Place: Thimann Lecture Hall I, campus. Hours: 9:15 to 4:15. Fee: $65 for individuals, $115 for couples. For information and registration, telephone the extension office at (408) 429-2351.

Oakland. August 12 and 13. Annual show presented by the East Bay Dahlia Society. Place: Lakeside Park Garden Center, 666 Bellevue Ave. Hours: 1:30 to 5 Saturday; 10 to 5 Sunday. Free.

Eureka. August 13. Annual fuchsia show and plant sale sponsored by the Eureka branch, American Fuchsia Society. Place: William Searle garden, 3356 L St. Hours: 10 to 5. Free.

Crescent City. August 18, 19, and 20. Floral displays and poultry exhibits at the Del Norte County Fair. Place: Fairgrounds, Highway 101 in the center of town. Hours: 10 to 10. Cut flowers, potted plants, and arrangements will be shown in the Floriculture Building; poultry and rabbits will be in the Poultry Building. Admission: $1.75; ages 6 through 12, 50 cents; under 6, free.

Sacramento. August 18 through September 5. Garden shows at the California Exposition and State Fair. Place: Fairgrounds, Exhibition Blvd. off Interstate 80. Hours: 10 to 10 daily. Admission: $2.50; 12 and under, free.

Daly City. August 19 and 20. Nineteenth annual fuchsia show and plant sale by the Pacifica branch, American Fuchsia Society. Place: Serramonte Shopping Center, Interstate 280 and Serramonte Blvd. Hours: 10 to 5 both days. Admission: free.

San Leandro. August 19 and 20. Annual show presented by the San Leandro Dahlia Society. Place: Jerry's Steaks and Crêpes Restaurant, 604 MacArthur Blvd. Hours: 1 to 10 Saturday; 8 to 6 Sunday. Free.

San Francisco. August 25, 26, and 27. Forty-first annual San Francisco County Fair Flower Show and Plant Sale sponsored by 19 San Francisco garden clubs. Place: Hall of Flowers, Golden Gate Park, Ninth Ave. and Lincoln Way. Hours: 10 to 8 Friday and Saturday; 10 to 6 Sunday. Admission: $2; ages 12 and under, free. For information on flower show entries, write to Ms. Lillian Lee, 738 22nd Ave., San Francisco 94121.

COLORADO

Denver. August 12 and 13. Annual show by the Colorado Gladiolus Society. Place: Horticulture Hall, Denver Botanic Garden, 1005 York St. Hours: 1 to 4:45 Saturday; 9 to 4 Sunday. Free.

Denver. August 20. Show by the Denver Rose Society. Place: Denver Botanic Gardens. Hours: 1 to 4:45. Free.

Denver. August 21 and 25. Two-day workshop on collecting and drying flowers in silica gel. Place: Denver Botanic Gardens. Class space is limited; telephone (303) 297-2547, ext. 23.

Denver. August 27. Third Mushroom Fair presented by the Colorado Mycological Society. Place: Denver Botanic Gardens. Hours: 10:30 to 4:45. Admission: $1; children under 12 free when accompanied by an adult.

Denver. August 30 through October 4. Six-session course on basic mushroom identification cosponsored by the Colorado Mycological Society and the Denver Botanic Gardens. Place: Horticulture Hall. Time: 7:30 P.M. Fee: $10. □

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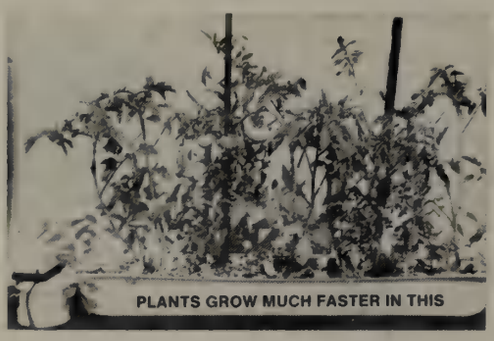

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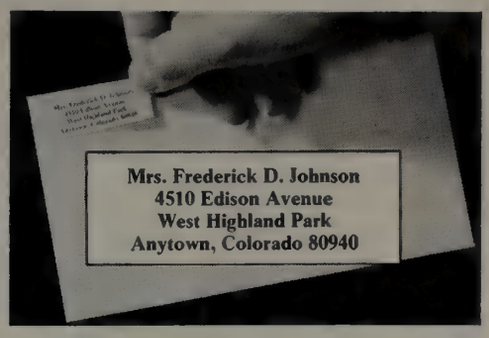

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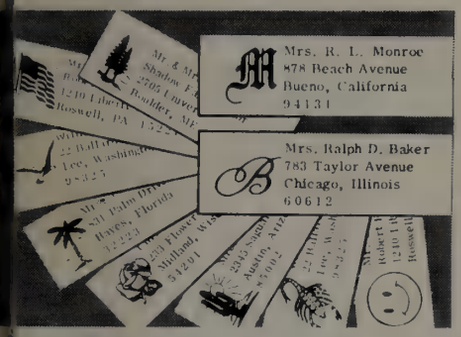

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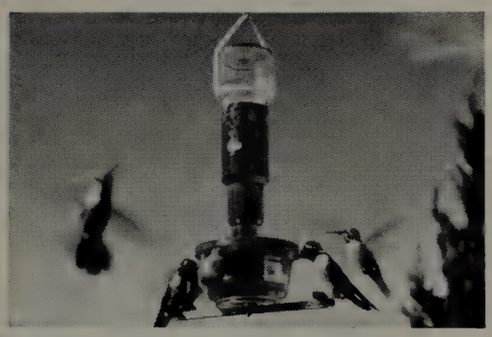

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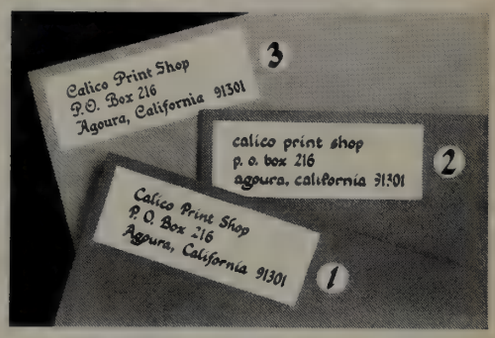

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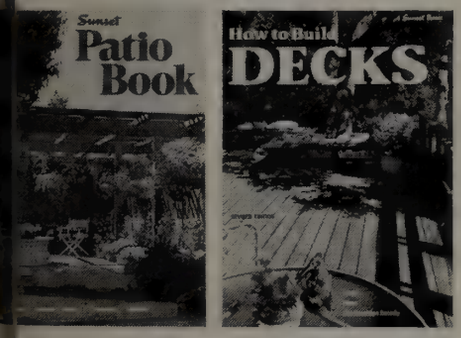

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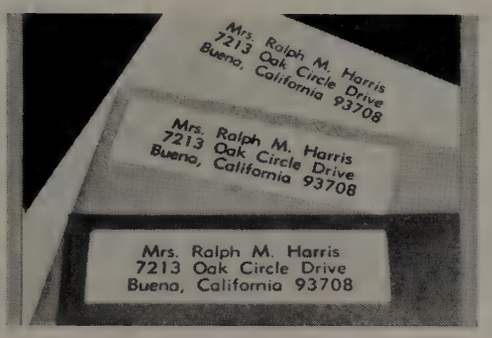

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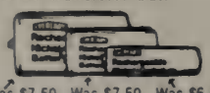

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Nerines prefer a fairly light soil—sand loam with a little organic matter adde is ideal. In mild-winter regions, plant th bulbs in the ground 4 to 5 inches apa with the neck of the bulb at the soil su face. Where winter temperatures drc below 28°, plant in containers; use a p that is twice the diameter of the bulb, a 6-inch pot for three bulbs. Cover on the lower half of the bulb.

The better known nerines bloom fro dormant bulbs in fall or early winte then produce their water-using leav during the wet winter and sprin months. These leaves disappear in summer, so you need not water then.

Begin watering when flower spikes a pear. If the rain doesn't help you ou water through winter and spring. Begi ning in May, gradually reduce water and don't water at all from July throu the summer.

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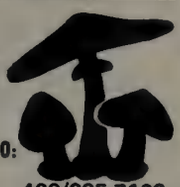

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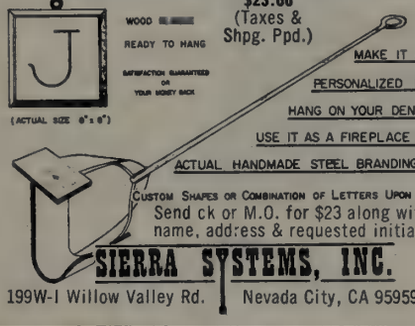

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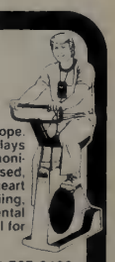

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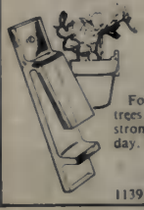

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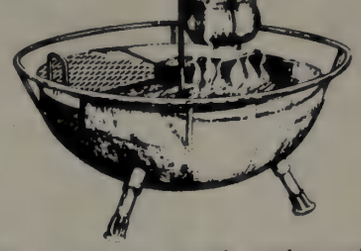

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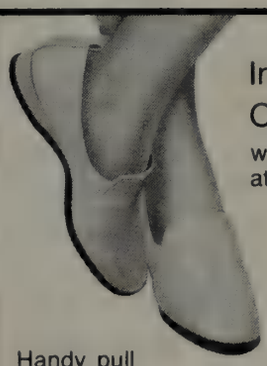

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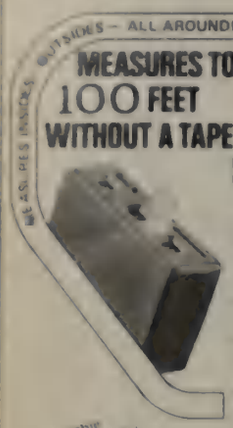

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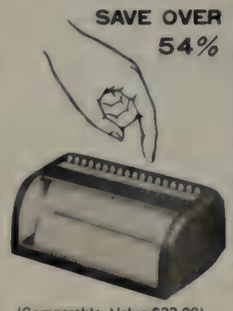

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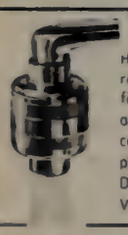

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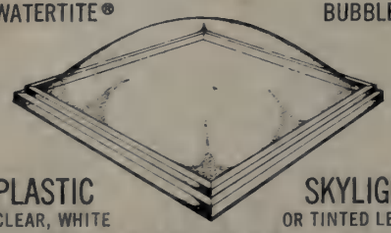

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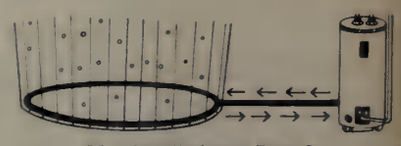

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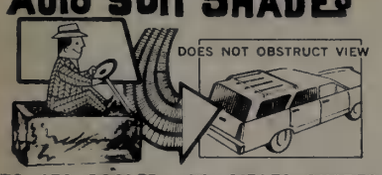

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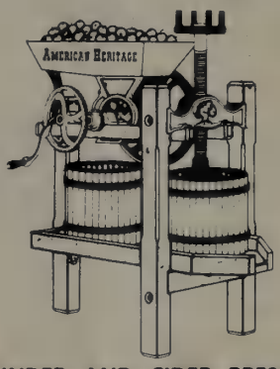

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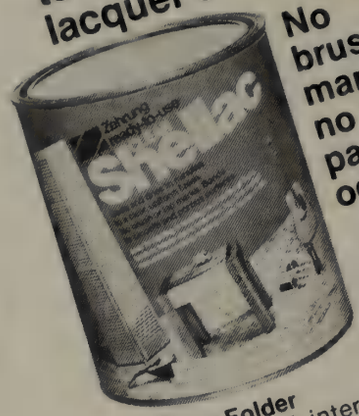

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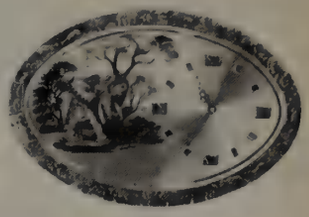

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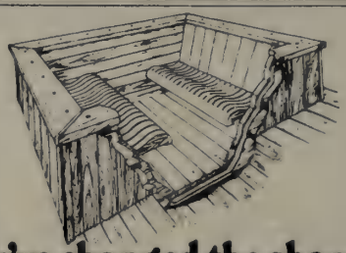

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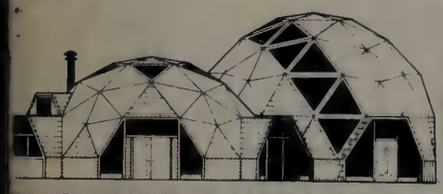

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LETTER FROM *Sunset*

When neighbors band together in common efforts

How many government services we want and how to pay for them are complex and agonizing questions, as the aftermath of California's voter-mandated property tax reduction so clearly shows us. But these arguments sometimes overshadow a simpler notion—that we can help maintain some elements of quality in community life at relatively low cost by the gift of our own time and talent.

Since 1954, *Sunset's* series of articles called *Community Action* has shown how Western neighbors band together in common efforts. The individual achievements may be very small—like a one-day neighborhood cleanup. But over 24 years, the series is an extraordinary chronicle of what volunteered time and effort can accomplish. Some examples:

—Honolulu citizens spent 47 straight weekends restoring a development-ravaged hillside in Manoa Valley.

—Volunteers have manned pollution-control boats in San Francisco Bay.

—In just one weekend, volunteers carved 18 miles of new trails through California's Big Basin State Park.

—Citizen-builders provided a new mountain fire station - community center in northern California; a community theater in Salem, Oregon; a children's museum in San Mateo, California; a cultural center in an abandoned school in Logan, Utah; a forest park on Mercer Island, Washington; a botanic garden on an old dumpsite in Rolling Hills, California.

—In one 1961 research effort, *Sunset* turned up 254 concurrent community tree-plantings; we reported how-it-was-done details from 130 of them. (In San Francisco's Inner Sunset district, tree-planting neighbors recruited the heavy-equipment help of an entire National Guard company on a routine training mission.)

—Citizen effort has helped save historic landmarks—covered bridges, windmills, mansions, trees—that government budgets couldn't afford.

Neighbor-built parks, bikeways, community gardens, cleanup programs, freeway murals, cooperative water systems, school bus shelters, volunteer firefighting—through the years and across the 13 Western states, these community efforts have added up.

These activities probably can't do much to replace major local government services—public protection, recreation, education, health services, help for the disadvantaged. But by common action, Westerners have shown how much can be done and along the way they've saved some public money. And for their efforts, they usually discover a rewarding sense of community—something no government can really provide.

If you haven't been able to join a cooperative community effort before, we hope you'll find a chance soon. And our *Community Action* editors would enjoy hearing how you go about it.

WINDOW ON THE WEST: *17 years later*

A 1961 *Sunset* article called "Let us have trees" reported community tree plantings all over the West—including Taft in California's lower Central Valley. As part of a community-wide volunteer effort, more than 2,000 trees went into the ground in just five years. Plantings are now mandated in new developments, and guidelines specify trees suited to Taft's hot, arid climate. The payoff: the flowering plums shown being planted in 1961 (top photograph) are now reaching their potential 25-foot height (bottom).